

DATE: August 24, 2023 **TO:** Peter Schafer, Ares

FROM: Bill Lawson, Urban Crossroads

JOB NO: 14726-05 FTA Memo

BEECH LOGISTICS CENTER FOCUSED NOISE ASSESSMENT

This letter has been prepared to document the findings for the focused traffic assessment for the proposed Beech Logistics Center development (Project) located is located north of Foothill Boulevard (SR-66) and west of Beech Avenue in the City of Fontana. The purpose of this focused noise assessment is to determine the potential off-site traffic noise level impacts associated with the proposed interim improvements to Beech Avenue and Foothill Boulevard (SR-66) which includes the construction of medians and other physical improvements to restrict the Project access to right-in/right-out/left-in access only.

PROPOSED PROJECT

The Project consists of the development of a single 168,760 square foot warehouse building and was evaluated in the Beech Logistics Center (MCN22-059) Traffic Analysis (dated January 17, 2023, **2023 Traffic Study**) assuming 42,190 square feet of General Light Industrial and 126,570 square feet of Warehousing use. Access to the site would be accommodated via two driveways on the northerly extension of Beech Avenue. Urban Crossroads, Inc. fully evaluated the off-site traffic noise impacts in the January 9, 2023, Beech Logistics Center Noise and Vibration Analysis , **2023 Noise Study.**

With the proposed interim access restriction at the intersection of Beech Avenue and Foothill Boulevard (SR-66), this would affect travel patterns for not only Project traffic but also existing traffic on Beech Avenue to the south of Foothill Boulevard (SR-66). The Project site plan and trip generation are consistent with that evaluated in the 2023 Traffic Study. Exhibit 1 shows the Project's preliminary site plan. The Project trip distribution patterns would change from those evaluated in the 2023 Traffic Study consistent with the Beech Logistics Center (MCN22-059) Focused Traffic Assessment.

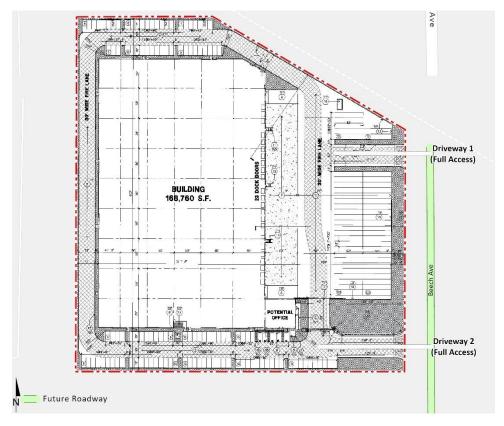


EXHIBIT 1: PRELIMINARY SITE PLAN

EXISTING PROJECT TRAFFIC NOISE LEVEL INCREASES

An analysis of existing traffic noise levels plus traffic noise generated by the proposed Project has been included in this report for informational purposes and to fully analyze all the existing traffic scenarios identified in the Traffic Study. However, the analysis of existing off-site traffic noise levels plus traffic noise generated by the proposed Project scenario will not actually occur since the Project would not be fully constructed and operational until 2024 conditions. The Existing without Project exterior noise levels range from 63.9 to 74.9 dBA CNEL, without accounting for any noise attenuation features such as noise barriers or topography. The Existing with Project conditions ranging from 63.9 to 75.2 dBA CNEL. Table 1 shows that the Project off-site traffic noise level increases range from 0.0 to 0.3 dBA CNEL on the study area roadway segments. Attachment A includes the traffic noise level contours worksheets.

Based on the significance criteria for off-site traffic noise presented in Section 4.1 of the Noise Study, land uses adjacent to the study area roadway segments would experience less than significant noise level impacts due to unmitigated Project-related traffic noise levels with the proposed interim access restriction.

TABLE 1: EXISTING WITH PROJECT TRAFFIC NOISE LEVEL INCREASES

ID	Road	Segment	Receiving		EL at Recei nd Use (dB	_	Level	ental Noise Increase eshold ²
		C	Land Use ¹	No Project	With Project	Project Addition	Limit	Exceeded?
1	Cherry Av.	n/o Foothill Bl. (SR-66)	Non-Sensitive	74.6	74.7	0.1	1.5	No
2	Cherry Av.	s/o Foothill Bl. (SR-66)	Sensitive	74.4	74.5	0.1	1.5	No
3	Redwood Av.	s/o Foothill Bl. (SR-66)	Sensitive	66.4	66.4	0.0	1.5	No
4	Hemlock Av.	s/o Foothill Bl. (SR-66)	Sensitive	63.9	63.9	0.0	3.0	No
5	Almeria Av.	n/o Foothill Bl. (SR-66)	Sensitive	67.1	67.2	0.1	1.5	No
6	Citrus Av.	n/o Foothill Bl. (SR-66)	Sensitive	73.5	73.6	0.1	1.5	No
7	Citrus Av.	s/o Foothill Bl. (SR-66)	Sensitive	73.9	74.0	0.1	1.5	No
8	Foothill Bl. (SR-66)	w/o Cherry Av.	Sensitive	74.9	74.9	0.0	1.5	No
9	Foothill Bl. (SR-66)	e/o Cherry Av.	Non-Sensitive	74.9	75.2	0.3	1.5	No
10	Foothill Bl. (SR-66)	w/o Hemlock Av.	Sensitive	74.4	74.6	0.2	1.5	No
11	Foothill Bl. (SR-66)	e/o Hemlock Av.	Sensitive	74.6	74.8	0.2	1.5	No
12	Foothill Bl. (SR-66)	e/o Beech Av.	Sensitive	74.4	74.5	0.1	1.5	No
13	Foothill Bl. (SR-66)	w/o Citrus Av.	Non-Sensitive	74.5	74.6	0.1	1.5	No
14	Foothill Bl. (SR-66)	e/o Citrus Av.	Sensitive	74.4	74.4	0.0	1.5	No

¹ Based on a review of existing aerial imagery. Noise sensitive uses limited to existing residential land uses.

OYC TRAFFIC NOISE LEVEL INCREASES

The Opening Year Cumulative (OYC) 2024 without Project exterior noise levels range from 64.3 to 76.1 dBA CNEL, without accounting for any noise attenuation features such as noise barriers or topography. The OYC 2024 with Project conditions will range from 64.3 to 76.2 dBA CNEL. Table 2 shows that the Project off-site traffic noise level increases range from 0.0 to 0.2 dBA CNEL on the study area roadway segments.

Based on the significance criteria for off-site traffic noise presented in Section 4.1 of the Noise Study, land uses adjacent to the study area roadway segments would experience less than significant noise level impacts due to unmitigated Project-related traffic noise levels with the proposed interim access restriction.

² The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use.

³ Does the Project create an incremental noise level increase exceeding the significance criteria?

TABLE 2: EXISTING WITH PROJECT TRAFFIC NOISE LEVEL INCREASES

ID	Road	Segment	Receiving		EL at Receind Use (dB	_	Level	ental Noise Increase eshold ²
		C	Land Use ¹	No Project	With Project	Project Addition	Limit	Exceeded?
1	Cherry Av.	n/o Foothill Bl. (SR-66)	Non-Sensitive	75.2	75.2	0.0	1.5	No
2	Cherry Av.	s/o Foothill Bl. (SR-66)	Sensitive	74.9	75.0	0.1	1.5	No
3	Redwood Av.	s/o Foothill Bl. (SR-66)	Sensitive	66.7	66.7	0.0	1.5	No
4	Hemlock Av.	s/o Foothill Bl. (SR-66)	Sensitive	64.3	64.3	0.0	3.0	No
5	Almeria Av.	n/o Foothill Bl. (SR-66)	Sensitive	67.9	67.9	0.0	1.5	No
6	Citrus Av.	n/o Foothill Bl. (SR-66)	Sensitive	73.9	73.9	0.0	1.5	No
7	Citrus Av.	s/o Foothill Bl. (SR-66)	Sensitive	74.2	74.3	0.1	1.5	No
8	Foothill Bl. (SR-66)	w/o Cherry Av.	Sensitive	75.6	75.6	0.0	1.5	No
9	Foothill Bl. (SR-66)	e/o Cherry Av.	Non-Sensitive	76.1	76.2	0.1	1.5	No
10	Foothill Bl. (SR-66)	w/o Hemlock Av.	Sensitive	74.8	75.0	0.2	1.5	No
11	Foothill Bl. (SR-66)	e/o Hemlock Av.	Sensitive	75.3	75.5	0.2	1.5	No
12	Foothill Bl. (SR-66)	e/o Beech Av.	Sensitive	75.1	75.2	0.1	1.5	No
13	Foothill Bl. (SR-66)	w/o Citrus Av.	Non-Sensitive	75.4	75.4	0.0	1.5	No
14	Foothill Bl. (SR-66)	e/o Citrus Av.	Sensitive	75.2	75.2	0.0	1.5	No

¹ Based on a review of existing aerial imagery. Noise sensitive uses limited to existing residential land uses.

FINDINGS

As shown on Tables 1 and 2, the Project off-site traffic noise levels with the proposed interim access restriction will not exceed the significance criteria. Therefore, the land uses adjacent to the study area roadway segments would experience *less than significant* noise level impacts due Project-related traffic noise levels. If you have any questions or comments, I can be reached at blawson@urbanxroads.com

² The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use.

³ Does the Project create an incremental noise level increase exceeding the significance criteria?

ATTACHMENT A: OFF-SITE TRAFFIC NOISE ANALYSIS

	FHWA-R	D-77-108 HIGH	YAW 1	NOISE	PREDIC	TION N	MODEL (9/12/20	021)		
	rio: E ne: Cherry Av. ent: n/o Foothill						t Name: lumber:		Logistics (Center	
SITE Highway Data	SPECIFIC II	NPUT DATA			Site Con				L INPUT	S	
					site con	uitions	•				
Average Daily	. ,	27,002 vehicle	es			-ti		Autos:	15 15		
	Percentage:	10.00%					rucks (2 i icks (3+ i				
	Hour Volume:	2,700 vehicles	3		не	avy iru	icks (3+)	Axies):	15		
	ehicle Speed:	55 mph			Vehicle I	Иix					
Near/Far La	ane Distance:	90 feet			Veh	icleType	9	Day	Evening	Night	Daily
Site Data							Autos:	76.6%	12.8%	10.6%	96.33%
Ba	rrier Height:	0.0 feet			M	edium 7	rucks:	84.5%	3.6%	11.9%	2.01%
Barrier Type (0-V		0.0			I	Heavy 7	rucks:	76.1%	2.2%	21.7%	1.66%
*, ,	ist. to Barrier:	66.0 feet		H	Noise Sc		74:	- // #-			
Centerline Dist.	to Observer:	66.0 feet		Ľ	voise so	Auto			et)		
Barrier Distance	to Observer:	0.0 feet			14-40-			000			
Observer Height	(Above Pad):	5.0 feet				m Truck		297 004	Crada Ad	i rotmont	. 0.0
F	ad Elevation:	0.0 feet			neav	y Truck	(S. 8.	004	Grade Ad	justriient	. 0.0
Ro	ad Elevation:	0.0 feet		7	Lane Eq	uivalen	t Distan	ce (in i	feet)		
	Road Grade:	0.0%				Auto	s: 48	539			
	Left View:	-90.0 degree	es		Mediu	m Truck	s: 48	356			
	Right View:	90.0 degree	es		Heav	y Truck	s: 48	374			
FHWA Noise Mod	lel Calculation	ıs									
VehicleType	REMEL	Traffic Flow	Dist	ance	Finite	Road	Fresi	nel	Barrier Att	en Ber	m Atten
Autos:				0.0	-	-1.20		-4.71		000	0.00
Medium Trucks:	82.40			0.1		-1.20		-4.88		000	0.00
Heavy Trucks:	86.40	-16.19		0.1	1	-1.20		-5.30	0.0	000	0.00
Unmitigated Nois											
VehicleType	Leq Peak Ho		_	Leq E	vening	_	Night		Ldn	_	NEL
Autos:			70.2		68.4		62.	-	71.	_	71.
Medium Trucks:			64.4		56.7		57.:	_	65.3	-	65.
Heavy Trucks:			67.1		57.7		63.	-	70.0	-	70.
Vehicle Noise:			72.6		69.0		66.	5	74.	3	74.0
Centerline Distan	ce to Noise C	ontour (in feet)									
			L	70 (65	dBA		60 dBA		dBA
			Ldn:		127		274		590		1,271
		CI	VEL:		134		288	1	621		1.339

	FHWA-RI	D-77-108 HIGH	WAY NO	ISE F	PREDIC	TION M	ODEL	(9/12/2	(021)		
Scenari Road Nam Road Segmei	e: Cherry Av.	Bl. (SR-66)					Name: umber:		Logistics (Center	
SITE	SPECIFIC IN	NPUT DATA							L INPUT	s	
Highway Data				S	ite Con	ditions	(Hard :	= 10, S	oft = 15)		
Average Daily	Traffic (Adt):	30,847 vehicle	es					Autos	15		
Peak Hour	Percentage:	10.00%			Me	dium Tri	ucks (2	Axles)	: 15		
Peak H	lour Volume:	3,085 vehicles	3		He	avy Truc	cks (3+	Axles)	: 15		
Ve	hicle Speed:	55 mph		V	ehicle i	Mix					
Near/Far La	ne Distance:	90 feet		F		icleType		Day	Evening	Nigh	t Daily
Site Data				╅			Autos:	76.69	-	10.6	
Rai	rrier Heiaht:	0.0 feet			М	edium Ti	rucks:	84.59	6 3.6%	11.9	% 2.01%
Barrier Type (0-W		0.0			1	Heavy Ti	rucks:	76.19	6 2.2%	21.7	'% 1.66%
Centerline Dis		66.0 feet		N	oise So	ource El	evatio	ıs (in t	eet)		
Centerline Dist.		66.0 feet				Auto	s: 0	.000	· ·		
Barrier Distance		0.0 feet			Mediu	m Truck	s: 2	.297			
Observer Height (,	5.0 feet			Heav	y Truck	s: 8	.004	Grade Ad	justme	ent: 0.0
	ad Elevation:	0.0 feet			ono Fa	uivalant	Dieter	oo (in	foot)		
	ad Elevation:	0.0 feet		L	ane Eq	uivalent Auto:		.539	ieei)		
,	Road Grade:	0.0%			Modiu	Auto: m Truck:		.356			
	Right View:	-90.0 degree 90.0 degree				y Truck		.374			
FHWA Noise Mode	el Calculation	s									
VehicleType	REMEL	Traffic Flow	Distan	се	Finite	Road	Fres	nel	Barrier Att	en E	Berm Atten
Autos:	71.78	2.02		0.09		-1.20		-4.71	0.0	000	0.000
Medium Trucks:	82.40	-14.78		0.11		-1.20		-4.88	0.0	000	0.000
Heavy Trucks:	86.40	-15.61		0.11		-1.20		-5.30	0.0	000	0.000
Unmitigated Noise	e Levels (with	out Topo and	barrier a	ttenu	ıation)						
	Leq Peak Hou			eq Eve	ening		Night		Ldn		CNEL
Autos:			70.7		69.0		63		71.		72.4
Medium Trucks:			65.0		57.3		57		65.		66.0
Heavy Trucks:			67.7		58.3		63		70.		70.7
Vehicle Noise:			73.2		69.6		67	.0	74.	8	75.2
Centerline Distanc	e to Noise Co	ontour (in feet)		70 di	RΔ	65	dBA		60 dBA	Ι	55 dBA
			Ldn:	, 5 01	139	051	29		645		1,389
			VEL:		146		31		679		1,463
		0,			,40		01		010		1,400

	Cherry Av.					Project I	Mama: I	5 I- I		Contor	
Road Segment SITE S Highway Data									Logistics C	enter	
SITE S Highway Data	n/o Foothill					Job Nu	ımber:	14726			
Highway Data		Bl. (SR-66)									
	PECIFIC IN	IPUT DATA							INPUT	S	
Average Daily Ti				- 2	site Con	ditions (
,	raffic (Adt):	27,058 vehicle	es				-	Autos:	15		
Peak Hour P	ercentage:	10.00%			Me	dium Tru	cks (2 A	(xles	15		
Peak Ho	ur Volume:	2,706 vehicle	s		He	avy Truc	ks (3+ A	(xles	15		
Vehi	cle Speed:	55 mph		1	/ehicle l	Mix					
Near/Far Lane	Distance:	90 feet		F		icleType		Dav	Evening	Night	Dailv
Site Data							utos:	76.6%	12.8%	10.6%	96.25%
Rarr	ier Heiaht:	0.0 feet			М	edium Tri	ucks:	84.5%	3.6%	11.9%	2.029
Barrier Type (0-Wa		0.0			1	Heavy Tri	ucks:	76.1%	2.2%	21.7%	1.73%
Centerline Dist	. ,	66.0 feet		-							
Centerline Dist. to	Observer:	66.0 feet		- '	voise Sc	ource Ele		•	et)		
Barrier Distance to	Observer:	0.0 feet				Autos		000			
Observer Height (A	bove Pad):	5.0 feet				m Trucks		297		. , ,	
	l Elevation:	0.0 feet			Heav	y Trucks	: 8.0	004	Grade Adj	ustment:	0.0
Road	Elevation:	0.0 feet		L	ane Eq	uivalent	Distanc	e (in f	eet)		
Ro	oad Grade:	0.0%				Autos	: 48.	539			
	Left View:	-90.0 degre	es		Mediu	m Trucks	: 48.	356			
,	Right View:	90.0 degre	es		Heav	y Trucks	: 48.	374			
FHWA Noise Model	Calculation	s									
VehicleType	REMEL	Traffic Flow	Dis	stance	Finite	Road	Fresn	el l	Barrier Atte	en Ber	m Atten
Autos:	71.78	1.45		0.09	9	-1.20		-4.71	0.0	000	0.00
Medium Trucks:	82.40	-15.33		0.11		-1.20		-4.88		000	0.00
Heavy Trucks:	86.40	-16.01		0.11	1	-1.20		-5.30	0.0	000	0.00
Unmitigated Noise											
	eq Peak Hοι			Leq Ev		Leq N	_		Ldn		VEL
Autos:	72		70.2		68.4		62.8		71.2	-	71.
Medium Trucks:	66		64.5		56.8		57.2		65.3		65.
Heavy Trucks:	69		67.3		57.9		63.1		70.2		70.
Vehicle Noise:	74		72.7		69.0		66.5	•	74.3	5	74.
Centerline Distance	to Noise Co	ontour (in feet)	70 0	IRΔ	65.0	IRΔ	6	0 dBA	55	dBA
			Ldn:	700	129	03 0	DA 277		597		1.286
			Luii.		129						1.280

Thursday, August 24, 2023

	FHWA-R	D-77-108 HIGH	WAY I	NOISE	PREDIC	TION M	IODEL	(9/12/2	2021)		
Road Na	ario: OY+P me: Cherry Av. ent: n/o Foothill							: Beech : 14726	Logistics (Center	
	SPECIFIC II	NPUT DATA							EL INPUT	S	
Highway Data					Site Con	ditions	(Hard	= 10, S	oft = 15)		
Average Dail	y Traffic (Adt):	30,898 vehicle	:S					Autos	: 15		
Peak Hou	ır Percentage:	10.00%			Me	dium Tr	ucks (2	Axles)	: 15		
Peak	Hour Volume:	3,090 vehicles	6		He	avy Tru	cks (3+	- Axles)	: 15		
	ehicle Speed:	55 mph		-	Vehicle I	Mix					
Near/Far L	.ane Distance:	90 feet		F	Veh	icleType		Day	Evening	Night	Daily
Site Data							Autos:	76.69	6 12.8%	10.6%	96.27%
B	arrier Height:	0.0 feet			M	edium T	rucks:	84.59	6 3.6%	11.9%	2.02%
Barrier Type (0-	-	0.0			1	Heavy T	rucks:	76.19	6 2.2%	21.7%	1.71%
Centerline L	Dist. to Barrier:	66.0 feet		- 1	Noise So	ource El	ovatio	ne (in t	foot)		
Centerline Dis	t. to Observer:	66.0 feet		ľ	10/30 00	Auto.		0.000	ccij		
Barrier Distanc	e to Observer:	0.0 feet			Modiu	m Truck.	'	2.297			
Observer Heigh	t (Above Pad):	5.0 feet				/y Truck		B.004	Grade Ad	iustmen	. 0.0
	Pad Elevation:	0.0 feet			1 Icas	ry IIuck	S. (3.004	Ordao riaj	uoumom	. 0.0
R	oad Elevation:	0.0 feet		1	Lane Eq	uivalent	Dista	nce (in	feet)		
	Road Grade:	0.0%				Auto.	s: 4	8.539			
	Left View:	-90.0 degree	es.		Mediu	m Truck	s: 4	8.356			
	Right View:	90.0 degree	es.		Heav	y Truck	s: 4	8.374			
FHWA Noise Mo	del Calculation	ıs									
VehicleType	REMEL	Traffic Flow	Dist	tance	Finite	Road	Fre	snel	Barrier Att	en Be	rm Atten
Autos	3: 71.78	2.03		0.0	9	-1.20		-4.71	0.0	000	0.000
Medium Trucks	82.40	-14.76		0.1	1	-1.20		-4.88	0.0	000	0.000
Heavy Trucks	86.40	-15.48		0.1	1	-1.20		-5.30	0.0	000	0.000
Unmitigated Noi			barrie								
VehicleType	Leq Peak Ho			Leq E	vening		Night		Ldn		NEL
Autos			70.7		69.0		63		71.8		72.4
Medium Trucks			65.0		57.3		57		65.9	-	66.1
Heavy Trucks			67.8		58.4		63		70.7		70.8
Vehicle Noise			73.3		69.6		67	'.1	74.9	9	75.2
Centerline Dista	nce to Noise C	ontour (in feet)		70	dBA	65	dBA	_	60 dBA		dBA
			Ldn:	///	140	05	<i>aBA</i> 30		650 aBA		1.400
			Lan: VEL:		140		31	-	684		1,400
		Ci	VLL.		147		31	U	004		1,474

FHWA-R	D-77-108 HIGH	WAY I	NOISE I	PREDIC	TION M	IODEL (9/12/20	021)		
Scenario: E Road Name: Cherry Av. Road Segment: s/o Foothill	Bl. (SR-66)					Name: E lumber: 1		Logistics (Center	
SITE SPECIFIC II Highway Data	NPUT DATA			ita Can		IOISE N (Hard =		L INPUT	S	
Average Daily Traffic (Adt): Peak Hour Percentage: Peak Hour Volume:	25,477 vehicle 10.00% 2,548 vehicle		3	Ме	dium Tri		Autos: Axles):	15 15 15 15		
Vehicle Speed:	55 mph		ν	ehicle l	Wix					
Near/Far Lane Distance:	90 feet			Veh	icleType		Day	Evening	Night	Daily
Site Data							76.6%		10.6%	
Barrier Height:	0.0 feet				edium Ti		84.5%		11.9%	
Barrier Type (0-Wall, 1-Berm):	0.0			-	Heavy Ti	rucks:	76.1%	2.2%	21.7%	1.66%
Centerline Dist. to Barrier:	66.0 feet		N	loise So	ource El	evations	s (in fe	et)		
Centerline Dist. to Observer:	66.0 feet				Auto		000	.,		
Barrier Distance to Observer:	0.0 feet			Mediu	m Truck		297			
Observer Height (Above Pad):	5.0 feet			Heav	vy Truck	s: 8.0	004	Grade Ad	justment	0.0
Pad Elevation:	0.0 feet					Di-4	0 1			
Road Elevation:	0.0 feet		L	ane Eq		Distanc		eet)		
Road Grade:	0.0%				Auto					
Left View:	-90.0 degree				m Truck: /y Truck:					
Right View:	90.0 degree	es		пеан	ry Truck	S. 40.	3/4			
FHWA Noise Model Calculation	s									
VehicleType REMEL	Traffic Flow	Dist	ance		Road	Fresn	_	Barrier Att		m Atten
Autos: 71.78			0.09		-1.20		-4.71		000	0.000
Medium Trucks: 82.40			0.11		-1.20		-4.88		000	0.000
Heavy Trucks: 86.40	-16.44		0.11		-1.20		-5.30	0.0	000	0.000
Unmitigated Noise Levels (with										
VehicleType Leq Peak Ho			Leq Ev		_	Night		Ldn	_	NEL
		69.9		68.2		62.6		71.0	-	71.6
		64.2		56.5		56.9		65.		65.2
		66.9 72.4		57.5 68.8		62.7		69.8 74.0	-	69.8 74.4
Centerline Distance to Noise C									-	
Centernine Distance to Noise C	untour (in reet		70 d	D.4	65	dBA	-	0 dBA		dBA
			70 a	BA	00	aba	0	UUDA	33	UDA
		Ldn:	70 a	122	00	263		568		1,223

)-77-108 HIGH						•			
Scenari									Logistics (Center	
	e: Cherry Av.					Job N	lumber:	14726			
Road Segmer	nt: s/o Foothill	Bl. (SR-66)									
SITE S	SPECIFIC IN	PUT DATA			Site Con				L INPUT	8	
· ·				-	Site Con	uitions	(naru -				
Average Daily	. ,	28,966 vehicl	es					Autos:	15		
	Percentage:	10.00%				dium Tr		,	15		
	lour Volume:	2,897 vehicle	:S		He	avy Tru	cks (3+	Axles):	15		
	hicle Speed:	55 mph		١	Vehicle	Mix					
Near/Far Lai	ne Distance:	90 feet			Veh	icleType		Day	Evening	Night	Daily
Site Data							Autos:	76.6%	12.8%	10.6%	96.33%
Rar	rrier Height:	0.0 feet			М	edium T	rucks:	84.5%	3.6%	11.9%	2.01%
Barrier Type (0-W		0.0				Heavy T	rucks:	76.1%	2.2%	21.7%	1.66%
Centerline Dis	st. to Barrier:	66.0 feet		1	Noise S	ource E	evation	ns (in fe	et)		
Centerline Dist.	to Observer:	66.0 feet		F		Auto		.000			
Barrier Distance	to Observer:	0.0 feet			Mediu	m Truck	0	.297			
Observer Height (Above Pad):	5.0 feet				v Truck		.004	Grade Ad	iustment	. 0.0
Pa	ad Elevation:	0.0 feet		L							
Roa	ad Elevation:	0.0 feet		I	Lane Eq	uivalen	Distan	ice (in i	eet)		
F	Road Grade:	0.0%				Auto	s: 48	.539			
	Left View:	-90.0 degre	es		Mediu	m Truck	s: 48	.356			
	Right View:	90.0 degre	es		Hea	y Truck	s: 48	.374			
FHWA Noise Mode	el Calculation:										
VehicleType	REMEL	Traffic Flow		stance		Road	Fres		Barrier Att		m Atten
Autos:	71.78	1.75		0.09	9	-1.20		-4.71		000	0.00
Medium Trucks:	82.40	-15.06		0.1		-1.20		-4.88		000	0.00
Heavy Trucks:	86.40	-15.88		0.1	1	-1.20		-5.30	0.0	000	0.00
Unmitigated Noise											
	Leq Peak Hou			Leq E			Night		Ldn		VEL
Autos:	72		70.5		68.7		63.		71.5		72.
Medium Trucks:	66		64.7		57.0		57.		65.6		65.8
Heavy Trucks: Vehicle Noise:	69 74		67.4 72.9		58.0 69.3		63. 66.	-	70.3 74.6		70.4 74.9
Centerline Distanc	e to Noise Co	ntour (in feet	f)								
		(100	,	70 c	dBA	65	dBA	6	0 dBA	55	dBA
			Ldn:		133		287	7	618		1,332
			NEL:		140		302		651		1.403

Scenario: E+ Road Name: Ch Road Segment: s/o	erry Av.	Bl. (SR-66)					t Name: lumber:		Logistics (Center	
SITE SPEC	IFIC IN	PUT DATA			Site Con				L INPUT	S	
• •	- (4-4).	ns 570hi-l-			Site Con	uitions	(riaru ·				
Average Daily Traffic	, ,	25,579 vehicle	s					Autos:			
Peak Hour Perce	-	10.00%					ucks (2	,			
Peak Hour V		2,558 vehicles			He	avy iru	cks (3+	Axies):	15		
Vehicle :		55 mph		İ	Vehicle	Mix					
Near/Far Lane Dis	stance:	90 feet		ı	Veh	icleType	9	Day	Evening	Night	Daily
Site Data							Autos:	76.6%	12.8%	10.6%	96.149
Barrier I	loiaht:	0.0 feet			М	edium T	rucks:	84.5%	3.6%	11.9%	2.049
Barrier Type (0-Wall, 1-		0.0				Heavy T	rucks:	76.1%	2.2%	21.7%	1.829
Centerline Dist. to		66.0 feet									
Centerline Dist. to Ob		66.0 feet			Noise S				eet)		
Barrier Distance to Ob		0.0 feet				Auto		.000			
Observer Height (Abov		5.0 feet			Mediu	m Truck	s: 2	.297			
Pad Ele	,	0.0 feet			Hear	y Truck	s: 8	.004	Grade Ad	iustment.	0.0
Road Ele		0.0 feet		1	Lane Eq	uivalen	t Distar	ce (in	feet)		
	Grade:	0.0 feet			Lane Lq	Auto		539	iccij		
	t View:	-90.0 degree			Modiu	m Truck		.356			
	t View. t View:	90.0 degree				/y Truck		.374			
			5		i icai	ry IIuch	is. 40	1.574			
FHWA Noise Model Cal											
,,, .		Traffic Flow	Dis	stance		Road	Fres		Barrier Att		m Atten
Autos:	71.78	1.20		0.0		-1.20		-4.71		000	0.00
Medium Trucks:	82.40	-15.54		0.1		-1.20		-4.88		000	0.00
Heavy Trucks:	86.40	-16.02		0.1	11	-1.20		-5.30	0.0	000	0.00
Unmitigated Noise Leve	•		arri								
,,, ,	Peak Hour	- 7 - 7		Leq E	vening		Night		Ldn		VEL
Autos:	71.		9.9		68.2		62		71.0		71.
Medium Trucks:	65.		4.3		56.6		57		65.		65.
Heavy Trucks: Vehicle Noise:	69.3 74.4		7.3		57.9 68.8		63 66		70.: 74.:		70. 74
Centerline Distance to	Voise Co	ntour (in foot)									
Dentermie Distance to	10/38 00/	nour (in reet)	П	70	dBA	65	dBA	(60 dBA	55	dBA
			dn:		400		07		583		1.25
		L	.an:		126		27	1	283		1,200

Thursday, August 24, 2023

	FHWA-RI	0-77-108 HIGH	WAY NOI	SE PREDIC	CTION M	ODEL	(9/12/2	021)		
Road Na	nrio: OY+P me: Cherry Av. ent: s/o Foothill	Bl. (SR-66)				Name: umber:		Logistics (Center	
	SPECIFIC IN	IPUT DATA						L INPUT	s	
Highway Data				Site Cor	ditions	(Hard =	= 10, S	oft = 15)		
Average Daily	Traffic (Adt):	29,062 vehicle	es				Autos.	15		
Peak Hou	r Percentage:	10.00%		Me	edium Tr	ıcks (2	Axles).	15		
Peak	Hour Volume:	2,906 vehicles	3	He	eavy Truc	cks (3+	Axles).	15		
V	ehicle Speed:	55 mph		Vehicle	Miv					
Near/Far L	ane Distance:	90 feet			icleType		Day	Evening	Night	Daily
Site Data						Autos:	76.69	-	10.6%	
	arrier Height:	0.0 feet		М	edium Ti	ucks:	84.5%	6 3.6%	11.9%	2.03%
Barrier Type (0-1		0.0 1001			Heavy Ti	ucks:	76.19	6 2.2%	21.7%	1.78%
	ist to Barrier:	66.0 feet								
Centerline Dist		66.0 feet		Noise S				eet)		
Barrier Distance		0.0 feet			Auto	0	.000			
Observer Height		5.0 feet			m Truck	-	.297			
	Pad Flevation:	0.0 feet		Hea	vy Truck	s: 8	.004	Grade Ad	ustmen	: 0.0
Ri	oad Elevation:	0.0 feet		Lane Eq	uivalent	Distar	ce (in	feet)		
	Road Grade:	0.0%			Auto	s: 48	.539			
	Left View:	-90.0 degree	es	Mediu	m Truck	s: 48	.356			
	Right View:	90.0 degree		Hea	vy Truck	s: 48	.374			
FHWA Noise Mod	del Calculation	s								
Vehicle Type	REMEL	Traffic Flow	Distanc	e Finite	Road	Fres		Barrier Att	en Be	rm Atten
Autos		1.76		0.09	-1.20		-4.71		000	0.000
Medium Trucks		-15.00		0.11	-1.20		-4.88		000	0.000
Heavy Trucks	: 86.40	-15.56		0.11	-1.20		-5.30	0.0	000	0.000
Inmitigated Nois										
VehicleType	Leq Peak Hou			q Evening		Night		Ldn		NEL
Autos			70.5	68.7		63.	_	71.5		72.1
Medium Trucks			64.8	57.1		57.	-	65.7		65.8
Heavy Trucks			67.8	58.3		63.	-	70.7		70.7
Vehicle Noise	: 74	.9	73.0	69.4		66.	.9	74.7	7	75.0
Centerline Distar	nce to Noise Co	ontour (in feet)		70 -10 4		-/0.4		CO -ID 4		-104
			Ldn:	70 dBA 136	65	dBA 29:		60 dBA 631		dBA
			Lan: VFL:	136		30	-	664		1,360 1,431
		Ci	VEL:	143		30	D	004		1,431

	FHWA-RD)-77-108 HIGH	WAY	NOISE	PREDIC	CTION N	IODEL (9/12/2	021)		
	rio: E me: Redwood A ent: s/o Foothill						Name: lumber:		Logistics (Center	
	SPECIFIC IN	PUT DATA			2:4- 0				L INPUT	s	
	Traffic (Adt): r Percentage: Hour Volume:	3,640 vehicle 10.00% 364 vehicle			Ме	edium Tr	(Hard =	Autos: Axles):	15 15		
	ehicle Speed:	45 mph		1	/ehicle	Mix					
Near/Far La	ane Distance:	14 feet			Veh	icleType		Day	Evening	Night	Daily
Site Data							Autos:	76.6%	12.8%	10.6%	96.33%
Barrier Type (0-V	arrier Height: Vall, 1-Berm):	0.0 feet 0.0				edium T Heavy T		84.5% 76.1%		11.9% 21.7%	
Centerline D	ist. to Barrier:	34.0 feet		,	Voise S	ource E	levation	s (in fe	eet)		
Centerline Dist		34.0 feet		F		Auto		000			
Barrier Distance		0.0 feet			Mediu	m Truck	s: 2.	297			
Observer Height F	(Above Pad): Pad Elevation:	5.0 feet 0.0 feet			Hea	vy Truck	s: 8.	004	Grade Ad	justmen	t: 0.0
Ro	ad Elevation:	0.0 feet		I	ane Eq	uivalen	t Distan	ce (in :	feet)		
	Road Grade:	0.0%				Auto		645			
	Left View: Right View:	-90.0 degree				m Truck vy Truck		381 407			
FHWA Noise Mod	lel Calculations	5									
VehicleType	REMEL	Traffic Flow	Dis	stance	Finite	Road	Fresr	nel	Barrier Att	en Be	rm Atten
Autos.	68.46	-6.39		2.48	3	-1.20		-4.53	0.0	000	0.000
Medium Trucks.	79.45	-23.20		2.53	3	-1.20		-4.86	0.0	000	0.000
Heavy Trucks.		-24.02		2.52		-1.20		-5.67	0.0	000	0.000
Unmitigated Nois								1		1 -	
VehicleType	Leq Peak Hou			Leq E			Night		Ldn	_	NEL
Autos. Medium Trucks			61.4 56.1		59.6 48.4		54. 48.8		62.5 56.5	-	63.0 57.1
Meaium Trucks. Heavy Trucks.			59.6		48.4 50.2		48.8 55.4	-	62.	-	57.1 62.5
Vehicle Noise			64.3		60.4		58.3		66.0		66.4
Centerline Distan	ce to Noise Co	ntour (in feet)								
				70 c	iBA	65	dBA	6	60 dBA	55	dBA
			Ldn:		19		40	1	86	i	185
		C	NEL:		19		42		90	1	194

	FHWA-RI	D-77-108 HIGH	WAY N	IOISE	PREDIC	TION	MODEL (9/12/2	(021)		
Scenario Road Name Road Segment	: Redwood A						t Name: lumber:		Logistics C	enter	
	PECIFIC IN	IPUT DATA							EL INPUTS	3	
Highway Data				S	ite Con	ditions	(Hard =	10, S	oft = 15)		
		3,935 vehicles 10.00% 393 vehicles					rucks (2) cks (3+)	,	: 15		
Near/Far Lan		45 mph		V	'ehicle l	Иіх					
Near/Far Lan	e Distance:	14 feet			Veh	icleType	9	Day	Evening	Night	Daily
Site Data							Autos:	76.69	6 12.8%	10.6%	96.33%
Barr	ier Heiaht:	0.0 feet			М	edium T	rucks:	84.59	6 3.6%	11.9%	2.01%
Barrier Type (0-Wa	II, 1-Berm):	0.0			- 1	Heavy T	rucks:	76.19	6 2.2%	21.7%	1.66%
Centerline Dist	to Barrier:	34.0 feet		^	loise So	nurce F	levation	s (in t	eet)		
Centerline Dist. to	Observer:	34.0 feet		F.	.0.00 00	Auto		000	001)		
Barrier Distance to	Observer:	0.0 feet			Modiu	m Truck		297			
Observer Height (A	lbove Pad):	5.0 feet				/v Truck		004	Grade Adj	ustment	0.0
Pad	d Elevation:	0.0 feet				,					
Road	d Elevation:	0.0 feet		L	ane Eq		t Distand	_	feet)		
R	oad Grade:	0.0%				Auto		645			
	Left View:	-90.0 degree	es			m Truck	00.	381			
	Right View:	90.0 degree	es		Heav	ry Truck	s: 33.	407			
FHWA Noise Model	Calculation	s		-							
VehicleType	REMEL	Traffic Flow	Dista	ance	Finite	Road	Fresn	nel .	Barrier Atte	en Ber	m Atten
Autos:	68.46	-6.05		2.48	3	-1.20		-4.53	0.0	00	0.000
Medium Trucks:	79.45	-22.86		2.53	3	-1.20		-4.86	0.0	00	0.000
Heavy Trucks:	84.25	-23.68		2.52	2	-1.20		-5.67	0.0	00	0.000
Unmitigated Noise	Levels (with	out Topo and	barrier	atteni	uation)						
	.eq Peak Hοι			Leq Ev			Night		Ldn		IEL
Autos:	63		61.7		60.0		54.4		62.8		63.4
Medium Trucks:	57		56.4		48.7		49.1		57.3		57.4
Heavy Trucks:	61		59.9		50.5		55.7		62.8		62.9
Vehicle Noise:	66	i.5	64.6		60.7		58.6	3	66.4		66.7
Centerline Distance	to Noise Co	ontour (in feet))	70		0.5					10.4
				70 d		65	dBA		60 dBA	55	dBA
			Ldn:		20		42		91		195
		CI	VEL:		20		44		95		205

		D-77-108 HIGH		TOICE	- NEDIC						
Scenari									Logistics C	Center	
	e: Redwood A					Job Ni	ımber:	14726			
Road Segmer	nt: s/o Foothill	BI. (SR-66)									
	SPECIFIC IN	IPUT DATA							L INPUT	S	
Highway Data				S	Site Con	ditions (Hard =	10, So	ft = 15)		
Average Daily	Traffic (Adt):	3,656 vehicle	es					Autos:	15		
Peak Hour	Percentage:	10.00%			Me	dium Tru	cks (2 A	Axles):	15		
Peak H	our Volume:	366 vehicle	S		He	avy Truc	ks (3+ A	Axles):	15		
Ve	hicle Speed:	45 mph		v	/ehicle l	Mix					
Near/Far Lai	ne Distance:	14 feet		H		icleType		Dav	Evenina	Night	Dailv
Site Data							utos:	76.6%	12.8%		96.349
	rier Heiaht:	0.0 feet			М	edium Tr		84.5%		11.9%	2.00%
Barrier Type (0-W		0.0			1	Heavy Tr	ucks:	76.1%	2.2%	21.7%	1.669
Centerline Dis	. ,	34.0 feet									
Centerline Dist		34.0 feet		٨	loise So	ource Ele			et)		
Barrier Distance		0.0 feet				Autos		000			
Observer Height (5.0 feet				m Trucks		297			
	d Flevation:	0.0 feet			Heav	y Trucks	: 8.0	004	Grade Adj	ustment.	0.0
Ros	ad Elevation:	0.0 feet		L	ane Eq	uivalent	Distanc	ce (in t	eet)		
ŀ	Road Grade:	0.0%				Autos	: 33.	645			
	Left View:	-90.0 degre	es		Mediu	m Trucks	33.	381			
	Right View:	90.0 degre	es		Heav	y Trucks	33.	407			
FHWA Noise Mode	el Calculation	s									
VehicleType	REMEL	Traffic Flow	Dis	stance	Finite	Road	Fresn	nel	Barrier Att	en Ber	m Atten
Autos:	68.46	-6.37		2.48		-1.20		-4.53		000	0.00
Medium Trucks:	79.45	-23.20		2.53		-1.20		-4.86		000	0.00
Heavy Trucks:	84.25	-24.02		2.52	2	-1.20		-5.67	0.0	000	0.00
Unmitigated Noise								1			
,,	Leq Peak Hou			Leq Ev		Leq I			Ldn		VEL
Autos:	63		61.4		59.7		54.1		62.5		63.
Medium Trucks:	57 61		56.1 59.6		48.4		48.8 55.4		56.9 62.5		57.
Heavy Trucks: Vehicle Noise:	66		64.3		50.2 60.4		58.3		66.1		62. 66.
Centerline Distance	e to Noise Co	ontour (in feet)								
		,	ĺ	70 d	BA	65 0	IBA	6	0 dBA	55	dBA
			Ldn:		19		40		86		185

Thursday, August 24, 2023

	FHWA-RI	D-77-108 HIGH\	WAY N	OISE	PREDIC	TION M	ODEL	(9/12/2	021)		
Road Na	ario: OY+P me: Redwood A ent: s/o Foothill							Beech 14726	Logistics (Center	
SITE Highway Data	SPECIFIC IN	IPUT DATA		5	ite Con	N ditions			L INPUT	s	
Average Dail Peak Hou Peak V	y Traffic (Adt): ur Percentage: Hour Volume: 'ehicle Speed:	3,951 vehicle 10.00% 395 vehicles 45 mph			Ме	dium Tru	ıcks (2	Autos. Axles).	15		
Near/Far L	.ane Distance:	14 feet			Veh	icleType		Day	Evening	Night	Daily
Site Data B Barrier Type (0-	arrier Height: Wall, 1-Berm):	0.0 feet 0.0				edium Tr Heavy Tr		76.69 84.59 76.19	6 3.6%		2.00%
	Dist. to Barrier:	34.0 feet		-	laina Cr	ource Ele	overtio	na (in f	o o et l		
Barrier Distanc Observer Heigh		34.0 feet 0.0 feet 5.0 feet 0.0 feet			Mediu	Autos m Trucks ry Trucks	s: (s: 2	0.000 2.297 3.004	Grade Ad	ljustmen	t: 0.0
Road Elevation: 0.0 feet					ane Eq	uivalent	Dista	nce (in	feet)		
	Road Grade: Left View: Right View:	0.0% -90.0 degrees 90.0 degrees				Autos m Trucks ry Trucks	3: 30	3.645 3.381 3.407			
FHWA Noise Mo	del Calculation	s									
VehicleType	REMEL	Traffic Flow	Dista	nce	Finite	Road	Fres	inel	Barrier Att	ten Be	rm Atten
Autos	68.46	-6.03		2.48	3	-1.20		-4.53	0.	000	0.000
Medium Trucks	3: 79.45	-22.86		2.53	3	-1.20		-4.86	0.	000	0.000
Heavy Trucks	84.25	-23.68		2.52	2	-1.20		-5.67	0.	000	0.000
Unmitigated Noi	se Levels (with	out Topo and I	arrier	atteni	uation)						
VehicleType	Leq Peak Hou			.eq Ev		Leq			Ldn		NEL
Autos			31.8		60.0		54		62.	-	63.4
Medium Trucks			6.4		48.7		49		57.	-	57.4
Heavy Trucks Vehicle Noise			59.9 54.6		50.5 60.7		55 58		62. 66.	-	62.9 66.7
Centerline Dista	nco to Noice C	ntour (in foot)									
Centerine Dista	ice to Noise Co	ontour (In feet)		70 d	BA	65 (dBA		60 dBA	55	dBA
		ı	.dn:		20		4	2	91	1	195
		CN	IEL:		20		4	4	95	5	205

	FHWA-R	D-77-108 HIGH	IWAY	NOISE	PREDIC	CTION N	IODEL	(9/12/2	021)		
Scenario Road Name Road Segmen	e: Hemlock A						Name: lumber:		Logistics (Center	
SITE S Highway Data	PECIFIC II	NPUT DATA			ita Car	nditions			L INPUT	S	
Average Daily 1 Peak Hour I	. ,	2,048 vehicle 10.00% 205 vehicle		3	Ме	edium Tr	ucks (2	Autos: Axles):	15 15		
Veh	nicle Speed:	45 mph		V	'ehicle	Mix					
Near/Far Lan	ne Distance:	14 feet		F		icleType	,	Day	Evening	Night	Daily
Site Data							Autos:	76.6%	-	10.69	-
Barrier Type (0-Wa	rier Height:	0.0 feet 0.0				ledium T Heavy T		84.5% 76.1%		11.99 21.79	
Centerline Dis		34.0 feet			laina C	ource E	lovetio	an (in f	not)		
Centerline Dist. t Barrier Distance t Observer Height (A	o Observer:	34.0 feet 0.0 feet 5.0 feet 0.0 feet			Mediu	Auto m Truck vy Truck	s: 0	1.000 1.297 1.004	Grade Ad	ljustmer	nt: 0.0
	Road Elevation: 0.0 feet Road Elevation: 0.0 feet					uivalen	t Distar	nce (in	feet)		
	Road Grade: Left View:		0.0% 90.0 degrees 90.0 degrees			Auto m Truck vy Truck	s: 33	3.645 3.381 3.407			
	Right View:	90.0 degree	es		пеа	vy IIuck	8. 30	0.407			
FHWA Noise Mode					,						
VehicleType	REMEL	Traffic Flow		stance		Road	Fres		Barrier Att		erm Atten
Autos:	68.46			2.48		-1.20 -1.20		-4.53		000	0.000
Medium Trucks: Heavy Trucks:	79.45 84.25			2.53		-1.20 -1.20		-4.86 -5.67		000 000	0.000
Unmitigated Noise	Levels (with	out Topo and	barri	er atteni	uation)						
VehicleType I	Leq Peak Ho	ur Leq Day	/	Leq Ev	ening	Leq	Night		Ldn	(CNEL
Autos:	60).9	58.9		57.1		51	.6	60.	0	60.5
Medium Trucks:			53.6		45.9		46	-	54.		54.6
Heavy Trucks:			57.1		47.7		52		60.		60.0
Vehicle Noise:	63	3.7	61.8		57.9)	55	.8	63.	5	63.9
Centerline Distance	e to Noise C	ontour (in feet)								
			L	70 d		65	dBA	_	60 dBA		5 dBA
			Ldn:		13		2		59		126
		C	NEL:		13		2	9	61		132

Average Daily Traffic (Adt):		FHWA-R	D-77-108 HIGH	WAY N	OISE I	PREDIC	TION N	ODEL (9	9/12/2	021)		
Average Daily Traffic (Adt):	Road Nam	e: Hemlock A								Logistics Co	enter	
Average Daily Traffic (Adt):	SITE	SPECIFIC II	NPUT DATA								,	
Peak Hour Percentage: 10.00%	Highway Data				S	ite Con	ditions	(Hard =	10, S	oft = 15)		
Near/Far Lane Distance:	Peak Hour Peak H	Percentage: lour Volume:	10.00% 228 vehicle			He	avy Tru	ucks (2 A	xles):	15		
Site Data Autos: 76.6% 12.8% 10.6% 96.33					ν							
Barrier Height: 0.0 feet	IVEAI/I AI LA	ne Distance.	14 1661			Veh	icleType		Day	Evening	Night	Daily
Centerline Dist. to Observer: 34.0 feet Autos: 0,000							edium T	rucks:	84.5%	3.6%	11.9%	96.33% 2.01% 1.66%
Autos: 0.000	Centerline Dis	st. to Barrier:	34.0 feet		N	oise So	ource El	levations	(in f	eet)		
Road Grade: 0.0%	Barrier Distance Observer Height (to Observer: (Above Pad): ad Elevation:	0.0 feet 5.0 feet 0.0 feet		L	Heav	m Truck vy Truck	s: 2.2	297 004		ıstment:	0.0
Left View:					F	4						
VehicleType		Left View:	-90.0 degree									
Autos: 68.46	FHWA Noise Mode	el Calculation	s									
Medium Trucks: 79.45	VehicleType	REMEL	Traffic Flow	Dista	nce	Finite	Road	Fresn	el	Barrier Atte	n Ben	n Atten
Heavy Trucks: 84.25	Autos:	68.46	-8.42		2.48		-1.20		-4.53	0.00	00	0.000
Unmitigated Noise Levels (without Topo and barrier attenuation)	Medium Trucks:	79.45	-25.23		2.53		-1.20		-4.86	0.00	00	0.000
VehicleType Leq Peak Hour Leq Day Leq Evening Leq Night Ldn CNEL Autos: 61.3 59.4 57.6 52.0 60.4 61 Medium Trucks: 55.5 55.5 54.0 46.3 48.8 54.9 55 Heavy Trucks: 59.5 57.5 48.1 53.4 60.4 60 Vehicle Noise: 64.2 62.3 58.4 56.3 64.0 64 Centerline Distance to Noise Contour (in feet) 70 dBA 65 dBA 60 dBA 55 dBA Ldn: 14 29 63 13	Heavy Trucks:	84.25	-26.05		2.52		-1.20		-5.67	0.00	00	0.000
Autos: 61.3 59.4 57.8 52.0 60.4 61 Medium Trucks: 55.5 54.0 46.3 46.8 54.9 56 Heavy Trucks: 59.5 57.5 48.1 53.4 60.4 60 Vehicle Noise: 64.2 62.3 58.4 56.3 64.0 64 Centerline Distance to Noise Contour (in feet) 70 dBA 65 dBA 60 dBA 55 dBA Ldn: 14 29 63 13	Unmitigated Noise	Levels (with	out Topo and	barrier	attenu	ation)						
Medium Trucks: 55.5 54.0 46.3 46.8 54.9 55 Heavy Trucks: 59.5 57.5 48.1 53.4 60.4 60 Vehicle Noise: 64.2 62.3 58.4 56.3 64.0 64 Centerline Distance to Noise Contour (in feet) Ldn: 14 29 63 13	VehicleType	Leq Peak Ho	ur Leq Day	/ L	.eq Ev	ening	Leq	Night		Ldn	CI	IEL
Heavy Trucks: 59.5 57.5 48.1 53.4 60.4 60 Vehicle Noise: 64.2 62.3 58.4 56.3 64.0 64 Centerline Distance to Noise Contour (in feet)	Autos:	61	1.3	59.4		57.6		52.0)	60.4		61.0
Vehicle Noise: 64.2 62.3 58.4 56.3 64.0 64 Centerline Distance to Noise Contour (in feet) 70 dBA 65 dBA 60 dBA 55 dBA Ldn: 14 29 63 13	Medium Trucks:	55	5.5	54.0		46.3		46.8		54.9		55.1
Centerline Distance to Noise Contour (in feet) 70 dBA 65 dBA 60 dBA 55 dBA Ldn: 14 29 63 13	Heavy Trucks:	59	9.5	57.5		48.1		53.4		60.4		60.5
70 dBA 65 dBA 60 dBA 55 dBA Ldn: 14 29 63 13	Vehicle Noise:	64	1.2	62.3		58.4		56.3	ı	64.0		64.3
Ldn: 14 29 63 13	Centerline Distanc	e to Noise C	ontour (in feet)								
					70 di		65		(55	
CNEL: 14 31 66 14												136
			C	NEL:		14		31		66		142

Scenario Road Name Road Segmen	e: Hemlock Av						t Name. Number.		Logistics (Center	
SITE S	PECIFIC IN	PUT DATA			Site Con				L INPUT	S	
• •	F #F (A-H).	2.065 vehicle			Site Con	uitions	(riaiu	Autos:	15		
Average Daily 1	. ,	2,065 venicie 10.00%	5		Mo	dium T	rucks (2				
Peak Hour I	ercentage: our Volume:	206 vehicles					ucks (2 icks (3+	,			
				L	пе	avy IIu	CKS (3+	Axies).	15		
	icle Speed:	45 mph			Vehicle I	Лiх					
Near/Far Lar	e Distance:	14 feet			Veh	cleTyp	e	Day	Evening	Night	Daily
Site Data							Autos:	76.6%	12.8%	10.6%	96.36
Ban	rier Heiaht:	0.0 feet			Me	edium 1	rucks:	84.5%	3.6%	11.9%	1.99
Barrier Type (0-Wa		0.0			F	leavy 7	rucks:	76.1%	2.2%	21.7%	1.659
Centerline Dis		34.0 feet									
Centerline Dist. t		34.0 feet			Noise Sc				eet)		
Barrier Distance t	o Observer:	0.0 feet				Auto		.000			
Observer Height (A	Above Pad):	5.0 feet				n Truck		.297			
	d Flevation:	0.0 feet			Heav	y Truck	rs: E	1.004	Grade Ad	justment.	0.0
Roa	d Elevation:	0.0 feet			Lane Eq	ıivalen	t Distai	ice (in	feet)		
F	Road Grade:	0.0%				Auto	s: 33	3.645			
	Left View:	-90.0 degree	s		Mediui	n Truck	rs: 33	3.381			
	Right View:	90.0 degree			Heav	y Truck	rs: 33	3.407			
FHWA Noise Mode	I Calculations	1									
VehicleType	REMEL	Traffic Flow	Dis	tance		Road	Fres	nel	Barrier Att	en Ber	m Atten
Autos:	68.46	-8.85		2.4	18	-1.20		-4.53	0.0	000	0.00
Medium Trucks:	79.45	-25.69		2.5	53	-1.20		-4.86	0.0	000	0.00
Heavy Trucks:	84.25	-26.52		2.5	52	-1.20		-5.67	0.0	000	0.00
Unmitigated Noise VehicleType	Levels (without Lea Peak Hou		arrie				A 17 1-4		Ldn		VEL
Autos:	Leq Peak Houl	- 1 - 7	8.9	Leq E	vening 57.2	Leq	Night 51	6	60.0		VEL 60
Medium Trucks:	55.		3.6		57.2 45.9		46		54.4		54
Heavy Trucks:	55. 59.		57.1		45.9 47.7		46 52		60.0		60
Vehicle Noise:	63.		31.8		57.9		55		63.0		63
Centerline Distanc	e to Noise Co	ntour (in feet)									
				70	dBA	65	dBA	6	0 dBA	55	dBA
		ı	dn:		13		2	7	59	1	12

Thursday, August 24, 2023

	FHWA-RI	D-77-108 HIGH\	NAY N	OISE	PREDIC	CTION M	ODEL	(9/12/2	021)		
Road Na	ario: OY+P me: Hemlock A ent: s/o Foothill							Beech 14726	Logistics (Center	
SITE Highway Data	SPECIFIC IN	IPUT DATA		5	ite Con	N ditions			L INPUT	s	
Average Dail Peak Hou Peak	y Traffic (Adt): ur Percentage: Hour Volume: 'ehicle Speed:	2,296 vehicles 10.00% 230 vehicles 45 mph			Ме	edium Tru eavy Truc	icks (2	Autos. Axles).	15 15		
Near/Far L	.ane Distance:	14 feet		-	Veh	icleType		Day	Evening	Night	Daily
Site Data B Barrier Type (0-	arrier Height: Wall. 1-Berm):	0.0 feet 0.0				edium Tr Heavy Tr		76.69 84.59 76.19	3.6%		2.00%
	Dist. to Barrier:	34.0 feet			laina Cr	ource Ele	ovetio	na (in f	not)		
Barrier Distance Observer Height		34.0 feet 0.0 feet 5.0 feet 0.0 feet			Mediu	Autos m Trucks ry Trucks	s: (s: 2	0.000 2.297 3.004	Grade Ad	ljustmen	t: 0.0
Road Elevation: 0.0 feet					ane Eq	uivalent	Dista	nce (in	feet)		
	Road Grade: Left View: Right View:	0.0% -90.0 degrees 90.0 degrees				Autos m Trucks yy Trucks	3: 30	3.645 3.381 3.407			
FHWA Noise Mo	del Calculation	s									
VehicleType	REMEL	Traffic Flow	Dista	ance	Finite	Road	Fres	inel	Barrier Att	ten Be	rm Atten
Autos	68.46	-8.39		2.48	3	-1.20		-4.53	0.	000	0.000
Medium Trucks	3: 79.45	-25.23		2.53	3	-1.20		-4.86	0.	000	0.000
Heavy Trucks	84.25	-26.05		2.52	2	-1.20		-5.67	0.	000	0.000
Unmitigated Nois			arrier	atteni	uation)						
VehicleType	Leq Peak Hou		_	Leq Ev		Leq			Ldn		NEL
Autos			9.4		57.6		52		60.	-	61.0
Medium Trucks			4.0		46.3		46		54.	-	55.1
Heavy Trucks Vehicle Noise			7.5 32.3		48.1 58.4		53 56		60. 64.		60.5 64.3
Centerline Distar	nco to Noiso Co	ntour (in foot)									
Centernile Distal	ice to Noise Co	mour (m reet)		70 d	'BA	65 (dBA		50 dBA	55	dBA
		L	dn:		14		2	9	63	3	136
		CN	EL:		14		3	1	66	3	142

	FHWA-RI	0-77-108 HIGH	IWAY	NOISE	PREDIC	CTION N	IODEL	(9/12/2	021)		
	io: E e: Almeria Av. nt: n/o Foothill						t Name: lumber:		Logistics (Center	
	SPECIFIC IN	IPUT DATA			a:. a				L INPUT	s	
Highway Data					Site Cor	nditions	(Hara :				
Average Daily	. ,	4,370 vehicle	es					Autos:			
	Percentage:	10.00%				edium Tr	,	,			
	our Volume:	437 vehicle	S		He	eavy Tru	cks (3+	Axles):	15		
	hicle Speed:	45 mph		1	Vehicle	Mix					
Near/Far La	ne Distance:	14 feet			Veh	icleType	9	Day	Evening	Night	Daily
Site Data							Autos:	76.6%	12.8%	10.69	6 96.33%
Rai	rier Height:	0.0 feet			M	ledium T	rucks:	84.5%	3.6%	11.99	6 2.01%
Barrier Type (0-W	'all, 1-Berm):	0.0				Heavy T	rucks:	76.1%	2.2%	21.79	6 1.66%
Centerline Dis		34.0 feet		1	Noise S	ource E	levatio	ns (in fe	eet)		
Centerline Dist.		34.0 feet				Auto	s: 0	.000			
Barrier Distance		0.0 feet			Mediu	m Truck	s: 2	.297			
Observer Height (,	5.0 feet			Hea	vy Truck	s: 8	.004	Grade Ad	ljustmer	t: 0.0
	ad Elevation:	0.0 feet			l ana Ea	u in co lo m	t Diotos	(in	footl		
	ad Elevation:	0.0 feet		,	Lane Eq	uivalen Auto		ice (in 1	reet)		
,	Road Grade: Left View:	0.0%			14	Auto m Truck		3.381			
		-90.0 degree				m Truck vy Truck		3.407			
	Right View:	90.0 degree	68		rica	vy IIuch	.s. Ju	1.407			
FHWA Noise Mode					1						
VehicleType	REMEL	Traffic Flow		stance		Road	Fres		Barrier Att		rm Atten
Autos:	68.46	-5.60		2.4	-	-1.20		-4.53		000	0.000
Medium Trucks:	79.45	-22.40		2.5	-	-1.20		-4.86		000	0.000
Heavy Trucks:	84.25	-23.22		2.5		-1.20		-5.67	0.0	000	0.000
VehicleType	Leg Peak Hou				vening	Lea	Night		Ldn		NEL
Autos:	64		62.2	Log L	60.4		54	q	63.		63.8
Medium Trucks:	58		56.9		49.2		49	-	57.		57.9
Heavy Trucks:	62		60.4		51.0		56	-	63.		63.3
Vehicle Noise:	67		65.1		61.2		59		66.	-	67.1
Centerline Distance	e to Noise Co	ntour (in feet,)								
			I	70 (dBA	65	dBA	6	60 dBA	5	5 dBA
			Ldn:		21		4		97		209
		C	NEL:		22		4	7	102	2	219

		D-77-108 HIGI	III/AII	NOISE	TREDIC			•			
Scenari									Logistics (Center	
	e: Almeria Av					JOD IN	lumber:	14/26			
Road Segmer	nt: n/o Foothill	Bl. (SR-66)									
	SPECIFIC IN	IPUT DATA							L INPUT	S	
Highway Data					Site Con	ditions	(Hard =	= 10, Sc	oft = 15)		
Average Daily	Traffic (Adt):	5,207 vehic	les					Autos:			
Peak Hour	Percentage:	10.00%				dium Tr	,	,			
Peak H	lour Volume:	521 vehicle	es		He	avy Tru	cks (3+	Axles):	15		
Ve	hicle Speed:	45 mph		1	/ehicle	Mix					
Near/Far La	ne Distance:	14 feet		F	Veh	icleType		Day	Evening	Night	Daily
Site Data							Autos:	76.6%	12.8%	10.6%	96.33%
Rai	rrier Height:	0.0 feet			М	edium T	rucks:	84.5%	3.6%	11.9%	2.01%
Barrier Type (0-W	-	0.0			1	Heavy T	rucks:	76.1%	2.2%	21.7%	1.66%
Centerline Dis	st. to Barrier:	34.0 feet		,	Voise So	ource F	evation	ns (in fe	et)		
Centerline Dist.	to Observer:	34.0 feet		Ľ	10,00 0	Auto		.000	,00,		
Barrier Distance	to Observer:	0.0 feet			Modiu	m Truck	0	.297			
Observer Height (Above Pad):	5.0 feet				v Truck		.004	Grade Ad	iustment	. 0 0
Pa	L	rical	ry IIUCK	3. 0	.004	Orado riaj	doumont	. 0.0			
Roa	ad Elevation:	0.0 feet		L	Lane Eq	uivalen	Distar	ice (in i	feet)		
I	Road Grade:	0.0%				Auto	s: 33	.645			
	Left View:	-90.0 degre	es		Mediu	m Truck	s: 33	.381			
	Right View:	90.0 degre	es		Heav	y Truck	s: 33	.407			
FHWA Noise Mode	el Calculation	s									
VehicleType	REMEL	Traffic Flow	Di	stance	Finite	Road	Fres	nel	Barrier Att	en Ber	m Atten
Autos:	68.46	-4.83	3	2.48	В	-1.20		-4.53	0.0	000	0.00
Medium Trucks:	79.45	-21.64	ļ	2.53	3	-1.20		-4.86	0.0	000	0.00
Heavy Trucks:	84.25	-22.46	6	2.52	2	-1.20		-5.67	0.0	000	0.00
Unmitigated Noise	Levels (with	out Topo and	barri	er atten	uation)						
VehicleType	Leq Peak Hou	ır Leq Da	У	Leq Ev	/ening	Leq	Night		Ldn	C	NEL
Autos:	64	.9	63.0		61.2		55.	.6	64.0)	64.0
Medium Trucks:	59	.1	57.6		49.9		50.	.3	58.5	5	58.
Heavy Trucks:	63		61.1		51.7		56.	-	64.0		64.
Vehicle Noise:	67	.8	65.9		61.9		59.	9	67.6	6	67.
Centerline Distanc	e to Noise Co	ontour (in fee	t)								
			L	70 c		65	dBA		0 dBA		dBA
			Ldn:		24		5	-	109		235
			:NEL:		25		5		114		247

Scenario Road Name Road Segment	: Almeria Av						Name: umber:		Logistics (Center	
SITE S Highway Data	PECIFIC IN	NPUT DATA			Site Con				L INPUT	S	
					Site Con	uilions	(naru -				
Average Daily T	. ,	4,404 vehicl	es					Autos:	15		
Peak Hour F	-	10.00%				dium Tru		,	15		
	ur Volume:	440 vehicle	S		He	avy Truc	CKS (3+	Axies):	15		
	icle Speed:	45 mph		1	Vehicle i	Mix					
Near/Far Lan	e Distance:	14 feet			Veh	icleType		Day	Evening	Night	Daily
Site Data						A	Autos:	76.6%	12.8%	10.6%	96.369
Barı	ier Height:	0.0 feet			М	edium Ti	rucks:	84.5%	3.6%	11.9%	1.999
Barrier Type (0-Wa	-	0.0			1	Heavy Ti	rucks:	76.1%	2.2%	21.7%	1.659
Centerline Dist	to Barrier:	34.0 feet		-	Noise S	ouroo El	aratio.	an (in fe	net)		
Centerline Dist. to	Observer:	34.0 feet			worse so	Auto:		.000	el)		
Barrier Distance to	Observer:	0.0 feet			Modiu	Auto: m Truck:		.000			
Observer Height (A	lbove Pad):	5.0 feet				vy Truck:		.004	Grade Ad	iustment	0.0
Pad	d Elevation:	0.0 feet			пеа	ry Truck	s. o	.004	Grade Adj	usuneni.	0.0
Road	d Elevation:	0.0 feet		I	Lane Eq	uivalent	Distan	ice (in f	eet)		
R	oad Grade:	0.0%				Auto	s: 33	.645			
	Left View:	-90.0 degre	es		Mediu	m Trucks	s: 33	.381			
	Right View:	90.0 degre	es		Heav	y Truck	s: 33	.407			
FHWA Noise Model	Calculation	ıs									
VehicleType	REMEL	Traffic Flow	_	stance		Road	Fres		Barrier Att		m Atten
Autos:	68.46			2.4	-	-1.20		-4.53		000	0.00
Medium Trucks:	79.45			2.5	-	-1.20		-4.86		000	0.00
Heavy Trucks:	84.25			2.5		-1.20		-5.67	0.0	000	0.00
Unmitigated Noise								_			
	eq Peak Hou			Leg E	vening		Night		Ldn		VEL
Autos:	-	1.2	62.2		60.5 49.2		54.	-	63.3		63.
Medium Trucks:		3.4	56.9				49.		57.7		57.
Heavy Trucks: Vehicle Noise:		2.4 7.0	60.4		51.0 61.2		56. 59		63.3		63
			00.1		61.2		59.	.1	66.9	,	67.
Centerline Distance	to Noise C	ontour (in feet	t)	70.0	dBA	65	dBA	- 6	i0 dBA	55	dBA
				700		1 00		1 0	0 00/1	1 00	٠ ١
			Ldn:		21		45	5	97	•	21

Thursday, August 24, 2023

	FHWA-RD	-77-108 HIGH	WAY	NOISE	PREDIC	TION M	DDEL (9/12/20	021)		
Scenario									Logistics (Center	
Road Name. Road Segment	: Almeria Av.	OL (CD CC)				Job Nu	mper:	14/26			
		, ,		-						_	
SITE S Highway Data	PECIFIC INI	PUT DATA			Site Con				L INPUT oft = 15)	5	
Average Daily Ti	raffic (Adt):	5.240 vehicle	ie.					Autos:	15		
Peak Hour P	. ,	10.00%			Me	dium Tru					
	ur Volume:	524 vehicles				avy Truc					
Vehi	icle Speed:	45 mph		ļ.				,			
Near/Far Lane		14 feet		ļ.	Vehicle I						
					Vehi	cleType		Day	Evening	Night	Daily
Site Data							utos:	76.6%		10.6%	
	ier Height:	0.0 feet				edium Tn		84.5%		11.9%	
Barrier Type (0-Wa		0.0			,	leavy Tri	ICKS:	76.1%	2.2%	21.7%	1.65%
Centerline Dist.		34.0 feet			Noise So	urce Ele	vation	s (in fe	eet)		
Centerline Dist. to		34.0 feet				Autos	: 0.	000			
Barrier Distance to		0.0 feet			Mediur	n Trucks	: 2.	297			
Observer Height (A	,	5.0 feet			Heav	y Trucks	: 8.	004	Grade Ad	ljustment	0.0
	Elevation:	0.0 feet		-	Lane Equ		D:-4	/:	E4)		
	l Elevation:	0.0 feet			Lane Equ	Autos		645	reet)		
R	oad Grade: Left View:	0.0%			A decedio o	Autos n Trucks		ი45 381			
		-90.0 degree				y Trucks		381 407			
,	Right View:	90.0 degree	es		пеач	y ITUCKS	. 33.	407			
HWA Noise Model											
VehicleType		Traffic Flow	Dis	tance	Finite		Fresi		Barrier Att		m Atten
Autos:	68.46	-4.81		2.4	-	-1.20		-4.53		000	0.000
Medium Trucks:	79.45	-21.64		2.5	-	-1.20		-4.86		000	0.000
Heavy Trucks:	84.25	-22.46		2.5	2	-1.20		-5.67	0.0	000	0.000
Inmitigated Noise I											
	eq Peak Hour			Leq E	vening	Leq N	-		Ldn		NEL
Autos:	64.	-	63.0		61.2		55.		64.0	-	64.6
Medium Trucks:	59.	-	57.6		49.9		50.3	-	58.	-	58.7
Heavy Trucks:	63.		61.1		51.7		56.9		64.	-	64.1
Vehicle Noise:	67.		65.9		62.0		59.9)	67.0	6	67.9
Centerline Distance	to Noise Co	ntour (in feet)									
			L	70	dBA	65 a		6	0 dBA		dBA
			Ldn:		24		51		109		236
		CI	VEL:		25		53		115)	247

	FHWA-RI	D-77-108 HIGH	IWAY	NOISE	PREDIC	CTION N	IODEL	(9/12/2	021)		
	rio: E ne: Citrus Av. nt: n/o Foothill	BI. (SR-66)					Name: lumber:		Logistics (Center	
	SPECIFIC IN	IPUT DATA							L INPUT	S	
Highway Data					Site Cor	ditions	(Hard =	= 10, Sc	oft = 15)		
Average Daily	Traffic (Adt):	21,394 vehicle	es					Autos:			
Peak Hour	Percentage:	10.00%			Me	edium Tr	ucks (2	Axles):	15		
Peak H	lour Volume:	2,139 vehicle	S		He	eavy Tru	cks (3+	Axles):	15		
Ve	ehicle Speed:	50 mph		h	/ehicle	Mix					
Near/Far La	ne Distance:	61 feet		F	Veh	icleType		Day	Evening	Night	Daily
Site Data							Autos:	76.6%	12.8%	10.6%	96.33%
Ba	rrier Height:	0.0 feet			М	edium T	rucks:	84.5%	3.6%	11.9%	2.01%
Barrier Type (0-V	Vall, 1-Berm):	0.0				Heavy T	rucks:	76.1%	2.2%	21.7%	1.66%
	ist. to Barrier:	52.0 feet		1	Voise S	ource El	levation	ıs (in fe	eet)		
Centerline Dist.		52.0 feet				Auto	s: 0	.000			
Barrier Distance		0.0 feet			Mediu	m Truck	s: 2	.297			
-	bserver Height (Above Pad): 5.0 feet					vy Truck	s: 8	.004	Grade Ad	justmen	t: 0.0
-	Pad Elevation: 0.0 feet					·					
	Road Elevation: 0.0 feet					uivalent		_ •	feet)		
	Road Grade:	0.0%				Auto		.412			
	Left View:	-90.0 degree				m Truck		.203			
	Right View:	90.0 degree	es		Hea	vy Truck	s: 42	.223			
FHWA Noise Mod	el Calculation	s									
VehicleType	REMEL	Traffic Flow		stance		Road	Fres		Barrier Att		rm Atten
Autos:				0.9		-1.20		-4.66		000	0.000
Medium Trucks:				1.0	-	-1.20		-4.87		000	0.000
Heavy Trucks:				1.0		-1.20		-5.41	0.0	000	0.000
Unmitigated Noise											
VehicleType	Leq Peak Hou			Leq E			Night		Ldn	_	NEL
Autos:			68.9		67.1		61.	-	69.	-	70.5
Medium Trucks:			63.3		55.6		56.		64.	_	64.4
Heavy Trucks: Vehicle Noise:			71.5		57.0 67.8		62.		69. 73.		69.4 73.5
Centerline Distant	ce to Noise Co	ontour (in feet)								
		(111 100)		70 0	iBA	65	dBA	6	60 dBA	55	dBA
			Ldn:		85		184	4	396	6	852
		C	NEL:		90		193	3	416	6	896

Scenari	in: OV					Project	Name:	Rooch	Logistics (Contor	
	e: Citrus Av.						ivanie. lumber:		Logistics	Jenter	
	nt: n/o Foothill	BL (SR-66)				300 14	uniber.	14720			
		, ,								_	
Highway Data	SPECIFIC IN	PUT DATA			Site Con				L INPUT oft = 15)	5	
Average Daily	Traffic (Adt):	23.154 vehic	les					Autos:			
	Percentage:	10.00%			Me	dium Tri	ucks (2				
		2.315 vehicle	es			avy Truc	,	,			
	hicle Speed:	50 mph	00				(
Near/Far Lai	ne Distance:	61 feet			Vehicle I			_	1= . 1		
					ven	icleType		Day	Evening	Night	Daily
Site Data							Autos:	76.6%		10.6%	
Bar	rier Height:	0.0 feet				edium Ti		84.5%		11.9%	2.01%
Barrier Type (0-W	'all, 1-Berm):	0.0			,	Heavy Ti	rucks:	76.1%	2.2%	21.7%	1.66%
Centerline Dis	st. to Barrier:	52.0 feet			Noise Sc	ource El	evation	ıs (in f	eet)		
Centerline Dist.	to Observer:	52.0 feet				Auto		.000	,		
Barrier Distance	to Observer:	0.0 feet			Mediu	m Truck		.297			
Observer Height (Above Pad):	5.0 feet				vy Truck		.004	Grade Ad	iustment	0.0
Pa	ad Elevation:	0.0 feet				•					
Roa	ad Elevation:	0.0 feet			Lane Eq				feet)		
F	Road Grade:	0.0%				Auto		.412			
	Left View:	-90.0 degre	ees			m Truck		.203			
	Right View:	90.0 degre	ees		Heav	y Truck	s: 42	.223			
FHWA Noise Mode	el Calculations	3			<u> </u>						
VehicleType	REMEL	Traffic Flow	Di	istance	Finite	Road	Fres	nel	Barrier Att	en Ber	m Atten
Autos:	70.20	1.1	9	0.	97	-1.20		-4.66	0.0	000	0.000
Medium Trucks:	81.00	-15.6	2	1.	00	-1.20		-4.87	0.0	000	0.000
Heavy Trucks:	85.38	-16.4	4	1.	00	-1.20		-5.41	0.0	000	0.000
Unmitigated Noise			_					,			
	Leq Peak Hou		,		Evening		Night		Ldn		VEL
Autos:	71.		69.2		67.5		61.		70.		70.9
Medium Trucks:	65	_	63.7		56.0		56.		64.		64.7
Heavy Trucks: Vehicle Noise:	68. 73		71.9		57.3 68.1		62. 65.	-	69.6 73.6	-	69.7 73.9
		-			00.1		00.		70.		70.
Centerline Distanc	e to Noise Co	ntour (in fee	ŧij	70	dBA	65	dBA	1	60 dBA	55	dBA
			Ldn:		90		194	4	417		898

		D-77-108 HIGI									
Scenari									Logistics C	Center	
	e: Citrus Av.					Job Ni	ımber:	14726			
Road Segmer	nt: n/o Foothill	Bl. (SR-66)									
	SPECIFIC IN	IPUT DATA							LINPUT	S	
Highway Data				5	site Con	ditions (
Average Daily	Traffic (Adt):	21,453 vehic	les					Autos:	15		
Peak Hour	Percentage:	10.00%				dium Tru			15		
Peak H	our Volume:	2,145 vehicle	es		He	avy Truc	ks (3+)	Axles):	15		
Ve	hicle Speed:	50 mph		ν	/ehicle l	Wix					
Near/Far Lai	ne Distance:	61 feet		F	Veh	icleType		Dav	Evenina	Night	Dailv
Site Data							utos:	76.6%	12.8%		96.30%
	rier Heiaht:	0.0 feet			М	edium Tr	ucks:	84.5%		11.9%	2.019
Barrier Type (0-W		0.0			1	Heavy Tr	ucks:	76.1%	2.2%	21.7%	1.699
Centerline Dis	. ,	52.0 feet									
Centerline Dist		52.0 feet		٨	Voise Sc	ource Ele	evation	s (in fe	et)		
Barrier Distance		0.0 feet				Autos		000			
Observer Height (5.0 feet				m Trucks	-	297			
	ad Elevation:	0.0 feet			Heav	y Trucks	: 8.	004	Grade Adj	iustment.	0.0
	ad Elevation:	0.0 feet		L	ane Ea	uivalent	Distan	ce (in f	eet)		
	Road Grade:	0.0%				Autos		412	,		
•	Left View:	-90.0 degre	es		Mediu	m Trucks	: 42.	203			
	Right View:	90.0 degre			Heav	y Trucks	: 42.	223			
						,					
FHWA Noise Mode VehicleType	el Calculation REMEL	S Traffic Flow	D.	stance	Einite	Road	Fresi	201	Barrier Att	on Bor	m Atten
Autos:	70.20	0.86		0.97		-1.20	riesi	-4.66		000	0.00
Medium Trucks:	81.00			1.00		-1.20		-4.87		000	0.00
Heavy Trucks:	85.38			1.00	-	-1.20		-5.41		000	0.00
						-1.20		-0.41	0.0	700	0.00
Unmitigated Noise VehicleType	Lea Peak Hou			er attent Leg Ev		Leg I	liaht	T	Ldn	CI	VEL
Autos:	70		68.9	LUG LV	67.1	Logi	61.6	3	69.9		70.
Medium Trucks:	64		63.3		55.6		56.		64.2		64.
Heavy Trucks:	68		66.5		57.1		62.		69.4	-	69.
Vehicle Noise:	73		71.6		67.8		65.		73.3		73.
Centerline Distanc	e to Noise Co	ontour (in fee	t)								
				70 d	IBA	65 0	iBA .	6	0 dBA	55	dBA
			Ldn:		86		185		398		858
			Luii.		00		100		330		000

Thursday, August 24, 2023

	FHWA-RI	D-77-108 HIGHV	VAY NOI	SE PREDIC	CTION M	ODEL	(9/12/2	(021)		
Road Nam	io: OY+P ne: Citrus Av. nt: n/o Foothill	Bl. (SR-66)				Name. umber		Logistics (Center	
	SPECIFIC IN	IPUT DATA						L INPUT	s	
Highway Data				Site Coi	nditions	(Hard				
Average Daily	. ,	23,214 vehicles	8				Autos			
	Percentage:	10.00%			edium Tr					
	lour Volume:	2,321 vehicles		He	eavy True	cks (3+	Axles)	: 15		
	hicle Speed:	50 mph		Vehicle	Mix					
Near/Far La	ne Distance:	61 feet		Veh	icleType		Day	Evening	Night	Daily
Site Data						Autos:	76.69	6 12.8%	10.6%	96.30%
Rai	rrier Height:	0.0 feet		M	ledium T	rucks:	84.59	6 3.6%	11.9%	2.01%
Barrier Type (0-W		0.0			Heavy Ti	rucks:	76.19	6 2.2%	21.7%	1.69%
Centerline Dis	. ,	52.0 feet								
Centerline Dist.	to Observer:	52.0 feet		Noise S				eet)		
Barrier Distance	to Observer:	0.0 feet			Auto		0.000			
Observer Height (Above Pad):	5.0 feet			m Truck	J	.297	0		
Pa	ad Elevation:	0.0 feet		Hea	vy Truck	s: 6	3.004	Grade Ad	usimem	. 0.0
Roa	ad Elevation:	0.0 feet		Lane Eq	uivalent	Distar	ice (in	feet)		
ı	Road Grade:	0.0%			Auto	s: 42	.412			
	Left View:	-90.0 degrees	S	Mediu	m Truck	s: 42	2.203			
	Right View:	90.0 degrees	S	Hea	vy Truck	s: 42	2.223			
FHWA Noise Mode	el Calculation	s		-						
VehicleType	REMEL	Traffic Flow	Distanc		Road	Fres		Barrier Att		rm Atten
Autos:	70.20	1.20).97	-1.20		-4.66		000	0.000
Medium Trucks:	81.00	-15.60		1.00	-1.20		-4.87		000	0.000
Heavy Trucks:	85.38			1.00	-1.20		-5.41	0.0	000	0.000
Unmitigated Noise VehicleType	Leg Peak Hou				100	Night	_	Ldn		NFL.
Venicie i ype Autos:	Leq Peak Hot		9.2	Evening 67.5		ivigrit 61	0	Tan 70.:	_	NEL 70.9
Medium Trucks:	65		3.7	56.0		56		64.0		64.7
Heavy Trucks:	68	-	6.8	57.4		62		69.1	-	69.8
Vehicle Noise:	73		1.9	68.1		65		73.0		73.9
Centerline Distanc	ce to Noise Co	ontour (in feet)								
			7	0 dBA	65	dBA		60 dBA	55	dBA
		L	.dn:	90		19	5	420		904
		CN	FI ·	95		20	5	441		950

	FHWA-RI	D-77-108 HIGH	WAY	NOISE	PREDIC	CTION N	IODEL (9/12/2	021)		
	io: E ne: Citrus Av. nt: s/o Foothill	Bl. (SR-66)					Name: lumber:		Logistics	Center	
	SPECIFIC IN	IPUT DATA			0:4- 0				L INPUT	s	
	Traffic (Adt): Percentage: lour Volume:	23,286 vehicle 10.00% 2,329 vehicle			Ме	edium Tra eavy Tru	ucks (2	Autos: Axles):	15 15		
	hicle Speed:	50 mph		1	/ehicle	Mix					
Near/Far La	ne Distance:	61 feet			Veh	icleType	•	Day	Evening	Night	Daily
Site Data							Autos:	76.6%		10.69	6 96.33%
Bai	rrier Height:	0.0 feet				edium T		84.5%		11.99	
Barrier Type (0-W	'all, 1-Berm):	0.0				Heavy T	rucks:	76.1%	2.2%	21.79	6 1.66%
Centerline Di	st. to Barrier:	52.0 feet		7	Voise S	ource El	levation	s (in f	eet)		
Centerline Dist.	to Observer:	52.0 feet		F		Auto		.000	,		
Barrier Distance	to Observer:	0.0 feet			Mediu	m Truck		297			
Observer Height (,	5.0 feet			Hear	vy Truck	s: 8	.004	Grade Ad	ljustmer	t: 0.0
	ad Elevation:	0.0 feet		-				-	• 0		
	ad Elevation:	0.0 feet		1	ane Eq	uivalent		_ •	feet)		
	Road Grade:	0.0%				Auto		.412			
	Left View:	-90.0 degree				m Truck		.203			
	Right View:	90.0 degree	es		неа	vy Truck	s: 42	.223			
FHWA Noise Mode	el Calculation	s									
VehicleType	REMEL	Traffic Flow	Dis	stance	Finite	Road	Fresi	nel	Barrier At	ten Be	rm Atten
Autos:	70.20	1.21		0.9		-1.20		-4.66		000	0.000
Medium Trucks:	81.00	-15.59		1.0	-	-1.20		-4.87		000	0.000
Heavy Trucks:	85.38	-16.42		1.0	0	-1.20		-5.41	0.	000	0.000
Unmitigated Noise	Levels (with	out Topo and	barri	er atten	uation)						
VehicleType	Leq Peak Hou			Leg E			Night		Ldn		NEL
Autos:	71		69.2		67.5		61.	-	70.	-	70.9
Medium Trucks:	65		63.7		56.0		56.		64.	-	64.7
Heavy Trucks:	68		66.8		57.4		62.	-	69.		69.7
Vehicle Noise:	73	8.8	71.9		68.2		65.	8	73.	6	73.9
Centerline Distance	e to Noise Co	ontour (in feet)	70	/D 4		-ID 4		CO -ID 4		F -1D 4
			1 -1	70 c		65	dBA		60 dBA		5 dBA
			Ldn: NFL:		90		194		419		902
		C	vEL.		95		204	+	440	,	948

	FHWA-RI	D-77-108 HIGH	WAY I	NOISE	PREDIC	TION N	IODEL (9/12/2	(021)		
	io: OY ne: Citrus Av. nt: s/o Foothill	Bl. (SR-66)					t Name: lumber:		Logistics (Center	
SITE	SPECIFIC IN	IPUT DATA					NOISE	MODI	L INPUT	s	
Highway Data				5	Site Con	ditions	(Hard =	10, S	oft = 15)		
	Percentage:	25,070 vehicle 10.00%					ucks (2	,	: 15		
	lour Volume:	2,507 vehicle	S		He	avy Tru	cks (3+.	Axles)	: 15		
	hicle Speed:	50 mph		١	/ehicle i	Mix					
Near/Far La	ne Distance:	61 feet			Veh	icleType	•	Day	Evening	Night	Daily
Site Data							Autos:	76.69	6 12.8%	10.6%	96.33%
Rai	rrier Height:	0.0 feet			М	edium 7	rucks:	84.59	6 3.6%	11.9%	2.01%
Barrier Type (0-W		0.0				Heavy 7	rucks:	76.19	6 2.2%	21.7%	1.66%
Centerline Di	st. to Barrier:	52.0 feet			Voise So	nurce F	levation	s (in t	eet)		
Centerline Dist.	to Observer:	52.0 feet		ř	10,00 0	Auto		000	001)		
Barrier Distance	to Observer:	0.0 feet			Modiu	m Truck		.297			
Observer Height ('Above Pad):	5.0 feet				/y Truck		.004	Grade Ad	iustmen	t· 0.0
Pa	ad Elevation:	0.0 feet		L		•					
Roa	ad Elevation:	0.0 feet		L	Lane Eq	uivalen	t Distan	ce (in	feet)		
	Road Grade:	0.0%				Auto		.412			
	Left View:	-90.0 degre	es		Mediu	m Truck	s: 42	.203			
	Right View:	90.0 degre	es		Heav	y Truck	s: 42	.223			
FHWA Noise Mode	el Calculation	s									
VehicleType	REMEL	Traffic Flow	Dist	ance	Finite	Road	Fresi	nel	Barrier Att	en Be	rm Atten
Autos:	70.20	1.53		0.97	7	-1.20		-4.66	0.0	000	0.000
Medium Trucks:	81.00	-15.27		1.00	0	-1.20		-4.87	0.0	000	0.000
Heavy Trucks:	85.38	-16.09		1.00	0	-1.20		-5.41	0.0	000	0.000
Unmitigated Noise	Levels (with	out Topo and	barrie	r atten	uation)						
	Leq Peak Hou			Leq Ev			Night		Ldn		NEL
Autos:		.5	69.6		67.8		62.	_	70.6		71.2
Medium Trucks:		5.5	64.0		56.3		56.		64.9		65.0
Heavy Trucks:).1	67.1		57.7		62.		70.0		70.1
Vehicle Noise:	74	l.1	72.2		68.5		66.	1	73.9	9	74.2
Centerline Distanc	e to Noise C	ontour (in feet)							T	
			L	70 a		65	dBA		60 dBA		5 dBA
			Ldn:		95		204		440		947
		C	NEL:		100		215	5	462	!	996

		D-77-108 HIGH\	WAT I	TOISE	- PKEBIC		`				
	rio: E+P								Logistics C	Center	
	ne: Citrus Av.					Job N	lumber:	14726			
Road Segme	ent: s/o Foothill	BI. (SR-66)									
SITE Highway Data	SPECIFIC IN	IPUT DATA			Site Con				L INPUT	S	
	T 65 (4 10)			-	Site Con	uitions	•				
Average Daily	. ,	23,366 vehicle	S					Autos:			
	r Percentage:	10.00%					ucks (2)				
	Hour Volume:	2,337 vehicles			He	avy Iru	cks (3+)	axies):	15		
	ehicle Speed:	50 mph			Vehicle I	Ліх					
Near/Far La	ane Distance:	61 feet		Ī	Vehi	cleType	9	Day	Evening	Night	Daily
Site Data							Autos:	76.6%	12.8%	10.6%	96.289
Ba	arrier Height:	0.0 feet			Me	edium T	rucks:	84.5%	3.6%	11.9%	2.019
Barrier Type (0-V	-	0.0			F	leavy T	rucks:	76.1%	2.2%	21.7%	1.709
	ist. to Barrier:	52.0 feet		ŀ	M-: 0-			- /: #	41		
Centerline Dist	to Observer:	52.0 feet		-	Noise So				eet)		
Barrier Distance	to Observer:	0.0 feet				Auto		000			
Observer Height	(Above Pad):	5.0 feet				n Truck		297			
	Pad Elevation:	0.0 feet			Heav	y Truck	(S.' 8.	004	Grade Adj	ustment.	0.0
Ro	ad Elevation:	0.0 feet			Lane Equ	ıivalen	t Distan	ce (in	feet)		
	Road Grade:	0.0%				Auto	s: 42.	412			
	Left View:	-90.0 degree	s		Mediur	n Truck	s: 42.	203			
	Right View:	90.0 degree	S		Heav	y Truck	s: 42.	223			
FHWA Noise Mod	lel Calculation	s									
VehicleType	REMEL	Traffic Flow	Dist	ance	Finite		Fresi	_	Barrier Atte	en Ber	m Atten
Autos	70.20	1.23		0.9	97	-1.20		-4.66	0.0	000	0.00
Medium Trucks	81.00	-15.57		1.0	00	-1.20		-4.87	0.0	000	0.00
Heavy Trucks	85.38	-16.29		1.0	00	-1.20		-5.41	0.0	000	0.00
Unmitigated Nois											
VehicleType	Leq Peak Hot			Leq E	vening	Leq	Night		Ldn		NEL
Autos			9.2		67.5		61.9	-	70.3		70.
Medium Trucks			3.7		56.0		56.4		64.6		64.
Heavy Trucks			6.9		57.5		62.		69.8		69.
Vehicle Noise	. 73	3.8	1.9		68.2		65.9	9	73.6	3	74.
Centerline Distan	ce to Noise C	ontour (in feet)	T	70	-10.4		-/0.4		CO -/D 4		-/0.4
			dn:	70	dBA	65	dBA		60 dBA		dBA
		-			91		196		422		910
		CN	IEL:		96		206		444		956

Thursday, August 24, 2023

	FHWA-R	D-77-108 HIGH\	NAY I	NOISE	PREDIC	TION M	ODEL	(9/12/2	(021)		
Road Na	nrio: OY+P me: Citrus Av. ent: s/o Foothill	Bl. (SR-66)						Beech 14726	Logistics (Center	
	SPECIFIC II	IPUT DATA							L INPUT	s	
Highway Data				- 3	site Con	aitions	(Hard		oft = 15)		
	y Traffic (Adt):	25,151 vehicle	S					Autos			
	ır Percentage:	10.00%				dium Tru					
	Hour Volume:	2,515 vehicles			He	avy Truc	cks (3+	Axles)	: 15		
	ehicle Speed:	50 mph		1	/ehicle l	Wix					
Near/Far L	ane Distance:	61 feet		F	Veh	icleType		Day	Evening	Night	Daily
Site Data							Autos:	76.69	6 12.8%	10.6%	96.29%
P	arrier Height:	0.0 feet			М	edium Ti	ucks:	84.59	6 3.6%	11.9%	2.01%
Barrier Type (0-		0.0			1	Heavy Ti	ucks:	76.19	6 2.2%	21.7%	1.70%
	Dist. to Barrier:	52.0 feet			O.	51	41-	(:- 4	41		
Centerline Dis	t. to Observer:	52.0 feet		1	voise Sc	ource El			eet)		
Barrier Distance	e to Observer:	0.0 feet				Auto		0.000			
Observer Height	(Above Pad):	5.0 feet				m Truck	-	2.297	0	·	
	Pad Elevation:	0.0 feet			Heav	y Truck	s: 8	3.004	Grade Ad	justmen	: 0.0
R	oad Elevation:	0.0 feet		I	ane Eq	uivalent	Dista	nce (in	feet)		
	Road Grade:	0.0%				Auto	s: 42	2.412			
	Left View:	-90.0 degree	s		Mediu	m Trucks	s: 42	2.203			
	Right View:	90.0 degree			Heav	y Truck:	s: 42	2.223			
FHWA Noise Mo	del Calculation	s									
VehicleType	REMEL	Traffic Flow	Dist	ance	Finite	Road	Fres	snel	Barrier Att	en Be	rm Atten
Autos	: 70.20	1.55		0.9	7	-1.20		-4.66	0.	000	0.000
Medium Trucks	81.00	-15.25		1.00)	-1.20		-4.87	0.	000	0.000
Heavy Trucks	85.38	-15.98		1.00)	-1.20		-5.41	0.	000	0.000
Unmitigated Nois											
VehicleType	Leq Peak Ho			Leq E			Night		Ldn		NEL
Autos			9.6		67.8		62		70.	-	71.2
Medium Trucks			64.0		56.3		56		64.	-	65.1
Heavy Trucks			37.2		57.8		63		70.	•	70.2
Vehicle Noise			72.3		68.5		66	.2	74.	0	74.3
Centerline Distai	nce to Noise C	ontour (in feet)		70 c	ID A	65	dBA		60 dBA		dBA
			dn:	700	96	00	20 20		6U BBA 443		955 955
		-	.an: IEL:		100		21	-	443		1.004
		CA	IEL:		100		21	O	400	,	1,004

Thursday, August 24, 2023 Thursday, August 24, 2023

	FHWA-RD	-77-108 HIGH	WAY	NOISE	PREDIC	CTION N	IODEL	(9/12/20	021)		
	ario: E me: Foothill Bl. (ent: w/o Cherry /						t Name: lumber:		Logistics (Center	
	SPECIFIC IN	PUT DATA			0:4- 0				L INPUT	S	
Highway Data					Site Cor	iaitions	(Hara =				
		29,038 vehicle	es					Autos:	15 15		
		10.00%				edium Tr eavy Tru					
	Hour Volume: 'ehicle Speed:	2,904 vehicles	5		п	eavy IIu	CKS (ST	Axies).	10		
	ane Distance:	55 mph 90 feet			Vehicle						
	arie Distance.	30 1661			Veh	nicleType		Day	Evening	Night	Daily
Site Data							Autos:	76.6%		10.6%	
В	arrier Height:	0.0 feet				ledium T		84.5%		11.9%	
Barrier Type (0-	Wall, 1-Berm):	0.0				Heavy T	rucks:	76.1%	2.2%	21.7%	1.66%
Centerline E	Dist. to Barrier:	66.0 feet			Noise S	ource E	levation	s (in fe	eet)		
Centerline Dist	t. to Observer:	66.0 feet		ľ		Auto		.000			
Barrier Distance	e to Observer:	0.0 feet			Mediu	m Truck		.297			
Observer Height	. ,	5.0 feet			Hea	vy Truck	s: 8	.004	Grade Ad	justmen	t: 0.0
	Pad Elevation:	0.0 feet		L		<u> </u>					
R	oad Elevation:	0.0 feet			Lane Eq			_ •	eet)		
	Road Grade:	0.0%				Auto		.539			
	Left View:	-90.0 degree				m Truck		.356			
	Right View:	90.0 degree	es		Hea	vy Truck	s: 48	.374			
FHWA Noise Mod	del Calculations	i									
VehicleType	REMEL	Traffic Flow	Dis	stance	Finite	Road	Fres	nel	Barrier Att	en Be	rm Atten
Autos		1.76		0.0		-1.20		-4.71		000	0.000
Medium Trucks		-15.05		0.1		-1.20		-4.88		000	0.000
Heavy Trucks	: 86.40	-15.87		0.1	1	-1.20		-5.30	0.0	000	0.000
Unmitigated Nois			barri	er atten	uation)			_			
VehicleType	Leq Peak Hou			Leq E	vening		Night		Ldn		NEL
Autos			70.5		68.7		63.	_	71.	-	72.1
Medium Trucks		-	64.7		57.1		57.	-	65.0	-	65.8
Heavy Trucks			67.5		58.0		63.		70.		70.4
Vehicle Noise	: 74.	8	72.9		69.3	1	66.	8	74.0	6	74.9
Centerline Distar	nce to Noise Co	ntour (in feet)		70	-/D.4		-/0.4		*O -ID 4		- 404
			Ldn:	70 0	dBA	65	dBA		0 dBA		dBA
			Lan: VEL:		133 141		287		619 652		1,334 1,405
		CI	VLL.		141		300)	002		1,405

	FHWA-RI	D-77-108 HIGH	WAY N	OISE F	PREDIC	TION N	MODEL (9	/12/2	021)		
Scenari Road Name Road Segmen	e: Foothill Bl.						t Name: E lumber: 1		Logistics C	enter	
SITE S	SPECIFIC IN	NPUT DATA							L INPUTS	3	
Highway Data				Si	ite Con	ditions	(Hard =	10, S	oft = 15)		
Average Daily	Traffic (Adt):	33,692 vehicle	es				,	Autos:	15		
Peak Hour	Percentage:	10.00%			Me	dium Tr	rucks (2 A	xles).	15		
Peak H	our Volume:	3,369 vehicles	8		He	avy Tru	cks (3+ A	xles).	15		
Vel	hicle Speed:	55 mph		V	ehicle l	Mix					
Near/Far Lar	ne Distance:	90 feet		F		icleType		Day	Evening	Night	Daily
Site Data					****			76.6%	-	10.6%	
Par	rier Height:	0.0 feet			М	edium T	rucks:	84.5%	3.6%	11.9%	2.01%
Barrier Type (0-W		0.0			I	Heavy T	rucks:	76.1%	6 2.2%	21.7%	1.66%
Centerline Dis	. ,	66.0 feet		-							
Centerline Dist. t		66.0 feet		N	oise Sc		levations	•	eet)		
Barrier Distance t	to Observer:	0.0 feet				Auto		000			
Observer Height (5.0 feet				m Truck		297			
	d Elevation:	0.0 feet			Heav	y Truck	s: 8.0	004	Grade Adj	ustment	0.0
Roa	d Elevation:	0.0 feet		Lá	ane Eq	uivalen	t Distanc	e (in	feet)		
F	Road Grade:	0.0%				Auto	s: 48.5	539			
	Left View:	-90.0 degree	es		Mediu	m Truck	s: 48.0	356			
	Right View:	90.0 degree	es		Heav	y Truck	s: 48.0	374			
FHWA Noise Mode	l Calculation	s									
VehicleType	REMEL	Traffic Flow	Dista	nce	Finite	Road	Fresn	e/	Barrier Atte	en Ber	m Atten
Autos:	71.78	2.40		0.09		-1.20		-4.71	0.0	00	0.000
Medium Trucks:	82.40			0.11		-1.20		-4.88	0.0		0.000
Heavy Trucks:	86.40			0.11		-1.20		-5.30	0.0	00	0.000
Unmitigated Noise											
	Leq Peak Hou			.eq Eve			Night		Ldn		VEL
Autos:			71.1		69.4		63.8		72.2		72.8
Medium Trucks:			65.4		57.7		58.1		66.3		66.4
Heavy Trucks:			68.1 73.6		58.7 70.0		63.9		71.0 75.2		71.1 75.6
venicie ivolse:					70.0		07.4		75.2		/ 5.6
)								
Centerline Distanc	e to Noise Co	ontour (in feet		70 dF	BA	65	dBA		60 dBA	55	dBA
Centerline Distanc	e to Noise Co		Ldn:	70 dE	BA 147	65	dBA 317	-	60 dBA 684	55	dBA 1.473

Average Daily Traffic (Adt): 29,077 vehicles Peak Hour Percentage: 10,00% Medium Trucks (2 Axles): 15			-77-108 HIGH	IWAY	NOISE	: PREDIC						
SITE SPECIFIC INPUT DATA										Logistics C	enter	
SITE SPECIFIC INPUT DATA Site Conditions (Hard = 10, Soft = 15)							Job N	umber:	14726			
Autos: 15 Auto	Road Segme	nt: w/o Cherry /	Av.									
Average Daily Traffic (Adi): 29,077 vehicles Peak Hour Percentage: 10,00% Medium Trucks (2 Axles): 15		SPECIFIC IN	PUT DATA			Cita Can					8	
Peak Hour Percentage:						Site Con	uilions	•				
Peak Hour Volume:		. ,	- , -	es				-				
Vehicle Speed: Near/Far Lane Distance: 90 feet Vehicle Mix Vehicle Type Day Evening Night Dail									,			
Near/Far Lane Distance: 90 feet VehicleType Day Evening Night Dail			,	S		He	avy Truc	cks (3+ A	Axles):	15		
Site Data Autos: 76.6% 12.8% 10.6% 96.3					Ī	Vehicle I	Mix					
Barrier Height: 0.0 feet Barrier Type (Q-Wall, 1-Berm): 0.0 Centerline Dist. to Barrier: 66.0 feet Centerline Dist. to Barrier: 66.0 feet Centerline Dist. to Observer: 66.0 feet Barrier Distance to Observer: 66.0 feet Centerline Dist. to Observer: 66.0 feet Centerline Distance to Noise Very Pad Centerline Distance Ce	Near/Far La	ne Distance:	90 feet		•	Veh	icleType		Day	Evening	Night	Daily
Barrier Trype (C-Wall, 1-Berm): 0.0 feet Centerline Dist. to Doserver: 66.0 feet Centerline Dist. to Observer: 66.0 feet Centerline Dist. to Observer: 0.0 feet Centerline Distance to Observer: 0.0 feet Centerli	Site Data						A	Autos:	76.6%	12.8%	10.6%	96.32%
Barrier Type (O-Wall, 1-Berm): 0.0 Heavy Trucks: 76.1% 2.2% 21.7% 1.6	Bai	rrier Heiaht:	0.0 feet			M	edium Ti	rucks:	84.5%	3.6%	11.9%	2.01%
Centerline Dist. to Barrier: 66.0 feet Centerline Dist. to Observer: 66.0 feet Barrier Distance to Observer: 0.0 feet Autos: 0.000 Medium Trucks: 2.297 Heavy Trucks: 88.004 Grade Adjustment: 0.0 feet Autos: 48.539 Medium Trucks: 48.356 Heavy Trucks: 48.35		-	0.0			1	Heavy Ti	rucks:	76.1%	2.2%	21.7%	1.67%
Centerline Dist. to Observer: 66.0 feet Barrier Distance to Observer: 0.0 feet Distance to Observer: 0.0 feet Distance to Observer: 0.0 feet Pad Elevation: 0.0 feet Road Grade: 0.0 feet Road Grade: 0.0 feet Elevation: Elevation: 0.0 feet Elevation:	**	. ,	66.0 feet		-	Noine Ca	ouroo El	o rotio n	a (in fa	n#l		
Barrier Distance to Observer: 0.0 feet Observer Height (Above Pad): 5.0 feet Pad Elevation: 0.0 feet Road Grade: 0.0% Autos: 48.59 Medium Trucks: 48.356 Heavy Trucks: 48.374 Heavy Trucks: 48.37	Centerline Dist.	to Observer:	66.0 feet		H	Noise 30				ei)		
Diserver Height (Above Pad): 5.0 feet	Barrier Distance	to Observer:	0.0 feet									
Pad Elevation: 0.0 feet Cane Equivalent Distance Cane Distance Cane Equivalent Distance Cane Equivalent Distance Cane Distance	Observer Height ((Above Pad):	5.0 feet							0		
Road Grade: 0.0%		,	0.0 feet			Heav	y iruck	s: 8.	004	Grade Adj	ustment.	0.0
Left View: -90.0 degrees Right View: 90.0 degrees Heavy Trucks: 48.356	Roa	ad Elevation:	0.0 feet			Lane Eq	uivalent	Distanc	ce (in f	eet)		
Right View: 90.0 degrees Heavy Trucks: 48.374		Road Grade:	0.0%				Auto	s: 48.	539			
FHWA Noise Model Calculations VehicleType REMEL Traffic Flow Distance Finite Road Fresnel Barrier Atten Berm Atte		Left View:	-90.0 degree	es		Mediu	m Trucks	s: 48.	356			
VehicleType		Right View:	90.0 degree	es		Heav	y Truck:	s: 48.	374			
Autos: 71.78 1.76 0.09 -1.20 -4.71 0.000 0.000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.000000 0.000000 0.0000000 0.00000000	FHWA Noise Mode											
Medium Trucks: 82.40 -15.04 0.11 -1.20 -4.88 0.000 0.000 0.000 Heavy Trucks: 86.40 -15.84 0.11 -1.20 -5.30 0.000 0.000 Unmitigated Noise Levels (without Topo and barrier attenuation)											_	
Heavy Trucks: 86.40 -15.84 0.11 -1.20 -5.30 0.000 0.000												0.00
VehicleType Leq Peak Hour Leq Day Leq Evening Leq Night Ldn CNEL		82.40			0.1	1						0.000
VehicleType Leq Peak Hour Leq Day Leq Evening Leq Night Ldn CNEL	Heavy Trucks:	86.40	-15.84		0.1	11	-1.20		-5.30	0.0	100	0.000
Autos: 72.4 70.5 68.7 63.2 71.6 7 Medium Trucks: 66.3 64.8 57.1 57.5 65.6 6 Heavy Trucks: 69.5 67.5 58.1 63.3 70.4 7 Vehicle Noise: 74.9 73.0 69.4 66.8 74.6 7 Centerline Distance to Noise Contour (in feet) 70 dBA				_								
Medium Trucks: 66.3 64.8 57.1 57.5 65.6 6 Heavy Trucks: 69.5 67.5 58.1 63.3 70.4 7 Vehicle Noise: 74.9 73.0 69.4 66.8 74.6 7 Centerline Distance to Noise Contour (in feet) 70 dBA 65 dBA 60 dBA 55 dBA Ldn: 134 288 621 1,3					Leq E			_	<u> </u>			
Heavy Trucks			-						-			72.
Vehicle Noise: 74.9 73.0 69.4 66.8 74.6 7 Centerline Distance to Noise Contour (in feet) To dBA 65 dBA 60 dBA 55 dBA Ldn: 134 288 621 1,3			-						-			65.8
Centerline Distance to Noise Contour (in feet) 70 dBA 65 dBA 60 dBA 55 dBA Ldn: 134 288 621 1,3												70.4
70 dBA 65 dBA 60 dBA 55 dBA Ldn: 134 288 621 1,3						03.4		00.0		74.0		14.
101 200 021 1,0	Centeriine Distant	ce to Noise Co	ntour (in feet,	<i>)</i>	70	dBA	65	dBA	6	0 dBA	55	dBA
				Ldn:		134		288		621	1	1.338
CNEL: 141 303 654 1,4			CI	NEL:		141		303		654		1,409

Thursday, August 24, 2023

	FHWA-RI	D-77-108 HIGH	1 YAW	NOISE	PREDIC	CTION M	ODEL	(9/12/2	021)			
Road Na	ario: OY+P me: Foothill Bl. nent: w/o Cherry							: Beech : 14726	Logistics (Center		
SITI Highway Data	SPECIFIC IN	IPUT DATA			Site Con	N			L INPUT	S		
Average Dail Peak Hot Peak	y Traffic (Adt): ur Percentage: Hour Volume: /ehicle Speed:	33,730 vehicle 10.00% 3,373 vehicles 55 mph			Ме	edium Tru eavy Truc	ucks (2	Autos Axles)	15			
Near/Far L	.ane Distance:	90 feet			Veh	icleType		Day	Evening	Night	Daily	
Site Data Barrier Type (0-	arrier Height: Wall, 1-Berm):	0.0 feet 0.0				edium Ti Heavy Ti		76.69 84.59 76.19	6 3.6%	10.6% 11.9% 21.7%	2.01%	
Centerline I	Dist. to Barrier:	66.0 feet		1	Voise So	ource El	evatio	ns (in f	eet)			
Barrier Distance Observer Heigh		66.0 feet 0.0 feet 5.0 feet 0.0 feet	0.0 feet 5.0 feet 0.0 feet			Autos: 0.000 Medium Trucks: 2.297 Heavy Trucks: 8.004 Grade Adjustment: 0.0						
R	oad Elevation:	0.0 feet		I	ane Eq	uivalent	Dista	nce (in	feet)			
	Road Grade: Left View: Right View:		0.0% -90.0 degrees 90.0 degrees			Auto: m Truck: /y Truck:	s: 4	8.539 8.356 8.374				
FHWA Noise Mo	del Calculation	s										
VehicleType	REMEL	Traffic Flow	Dist	ance	Finite	Road	Fre	snel	Barrier Att	en Be	rm Atten	
Autos	s: 71.78	2.41		0.0	9	-1.20		-4.71	0.0	000	0.000	
Medium Trucks	s: 82.40	-14.40		0.1	1	-1.20		-4.88	0.0	000	0.000	
Heavy Trucks	s: 86.40	-15.20		0.1	1	-1.20		-5.30	0.0	000	0.000	
Unmitigated Noi	 		barriei	r atten	uation)							
VehicleType	Leq Peak Hot			Leg E			Night		Ldn		NEL	
Autos			71.1		69.4		63		72.2	_	72.8	
Medium Trucks			55.4		57.7 58.7		58 63		66.3 71.0	-	66.4	
Heavy Trucks Vehicle Noise			73.6		70.0		67		71.0	_	71.1 75.6	
Centerline Dista	nce to Noise C	ontour (in feet)										
				70 c	iBA	65	dBA		60 dBA	55	dBA	
		1	Ldn:		148		31	8	685	,	1,476	
		CN	IEL:		155		33	15	722		1,555	

	FHWA-RD	-77-108 HIGH	WAY	NOISE	PREDIC	CTION M	ODEL (9/12/20	021)		
	o: E e: Foothill Bl. (\$ nt: e/o Cherry A	,					Name: umber:		Logistics (Center	
	SPECIFIC INI	PUT DATA							L INPUT	S	
Highway Data				- 2	site Cor	ditions (
Average Daily	. ,	29,143 vehicle	es					Autos:	15		
		10.00%				edium Tru		,			
		2,914 vehicles	S		He	eavy Truc	ks (3+	Axles):	15		
	hicle Speed:	55 mph		1	/ehicle	Mix					
Near/Far Lai	ne Distance:	90 feet		F	Veh	icleType		Day	Evening	Night	Daily
Site Data						Α	utos:	76.6%	12.8%	10.6%	96.33%
Rar	rier Height:	0.0 feet			М	edium Tr	ucks:	84.5%	3.6%	11.9%	2.01%
Barrier Type (0-W	all, 1-Berm):	0.0				Heavy Tr	ucks:	76.1%	2.2%	21.7%	1.66%
Centerline Dis		66.0 feet		1	Voise S	ource Ele	evation	s (in fe	eet)		
Centerline Dist.	to Observer:	66.0 feet				Autos	: 0.	.000	,		
Barrier Distance		0.0 feet			Mediu	m Trucks	: 2	297			
Observer Height (,	5.0 feet			Hear	vy Trucks	: 8.	.004	Grade Ad	justmen	t: 0.0
	d Elevation:	0.0 feet		L							
	d Elevation:	0.0 feet		1	.ane Eq	uivalent		_ •	eet)		
F	Road Grade:	0.0%				Autos		.539			
	Left View:	-90.0 degree				m Trucks		.356			
	Right View:	90.0 degree	es		Hea	vy Trucks	: 48	.374			
FHWA Noise Mode					,						
VehicleType	REMEL	Traffic Flow	Di	stance		Road	Fresi		Barrier Att		rm Atten
Autos:	71.78	1.77		0.09	-	-1.20		-4.71		000	0.000
Medium Trucks:	82.40	-15.03		0.1		-1.20		-4.88		000	0.000
Heavy Trucks:	86.40	-15.85		0.1		-1.20		-5.30	0.0	000	0.000
VehicleType	Levels (witho Leg Peak Hour			er atten Leg Ev		Leg I	Violet		Ldn		NEL
Autos:	72.4		70.5	Ley L	68.7		63.	2	71.0		72.1
Medium Trucks:	66.		64.8		57.1		57.	_	65.0	-	65.8
Heavy Trucks:	69.	-	67.5		58.1		63.	-	70.4	-	70.4
Vehicle Noise:	74.9		73.0		69.4		66.		74.6		74.9
Centerline Distance	e to Noise Co	ntour (in feet))								
				70 c	iBA	65 d	iBA	6	0 dBA	55	dBA
			Ldn:		134		288	3	621		1,338
		CI	NEL:		141		304	ļ.	654		1,409

	FHWA-R	D-77-108 HIGH	WAY N	OISE I	PREDIC	TION N	IODEL	(9/12/2	(021)		
	rio: OY ne: Foothill Bl. nt: e/o Cherry						t Name: lumber:		Logistics (Center	
SITE	SPECIFIC II	NPUT DATA				1	NOISE	MODE	L INPUT	S	
Highway Data				S	ite Con	ditions	(Hard =	10, S	oft = 15)		
Average Daily	Traffic (Adt):	37,778 vehicle	es					Autos	15		
Peak Hour	Percentage:	10.00%			Me	dium Tr	ucks (2	Axles)	: 15		
Peak F	lour Volume:	3,778 vehicle	S		He	avy Tru	cks (3+	Axles)	: 15		
Ve	ehicle Speed:	55 mph		ν	ehicle l	Mix					
Near/Far La	ne Distance:	90 feet		Ė		icleType	9	Day	Evening	Night	Daily
Site Data							Autos:	76.69	-	10.6%	96.33%
Ra	rrier Heiaht:	0.0 feet			M	edium T	rucks:	84.59	6 3.6%	11.9%	2.01%
Barrier Type (0-W		0.0			I	Heavy T	rucks:	76.19	6 2.2%	21.7%	1.66%
Centerline Di	ist. to Barrier:	66.0 feet		N	loise Sc	urce E	levation	s (in f	eet)		
Centerline Dist.		66.0 feet				Auto		.000	,		
Barrier Distance		0.0 feet			Mediu	m Truck		.297			
Observer Height		5.0 feet			Heav	y Truck	s: 8	.004	Grade Ad	iustment.	0.0
	ad Elevation:	0.0 feet					4 Di-4	/:-	£4)		
	ad Elevation:	0.0 feet		L	ane Eq	uivaien Auto	t Distan	.539	reet)		
	Road Grade: Left View:	0.0%			Modiu	Auto m Truck		.356			
	Right View:	-90.0 degre				y Truck		.374			
FHWA Noise Mod	el Calculation	ıs									
VehicleType	REMEL	Traffic Flow	Dista	nce	Finite	Road	Fres	nel	Barrier Att	en Ber	m Atten
Autos:	71.78	2.90		0.09	i	-1.20		-4.71	0.0	000	0.000
Medium Trucks:	82.40	-13.90		0.11		-1.20		-4.88	0.0	000	0.000
Heavy Trucks:	86.40	-14.73		0.11		-1.20		-5.30	0.0	000	0.000
Unmitigated Noise	e Levels (with	out Topo and	barrier a	attenu	ıation)						
VehicleType	Leq Peak Ho			eq Ev		Leq	Night		Ldn		VEL
Autos:		3.6	71.6		69.9		64.		72.7		73.3
Medium Trucks:	-		65.9		58.2		58.	-	66.8	-	66.9
Heavy Trucks:		0.6	68.6		59.2		64.		71.5		71.6
Vehicle Noise:		3.0	74.1		70.5		67.	9	75.7	′	76.1
Centerline Distan	ce to Noise C	ontour (in feet)	70 d	RΔ	65	dBA		60 dBA	EE	dBA
			Ldn:	, o u	159	00	343		738		1.590
		C	NEL:		167		361		777		1,675
		0			.01		00				.,010

Scenar	rio: E+P	D-77-108 HIGH							Logistics C	enter	
Road Nan	ne: Foothill Bl.	(SR-66)					mber: 1		9		
	nt: e/o Cherry					000 / 10					
SITE	SPECIFIC IN	IPUT DATA				N	DISE N	IODE	. INPUT	3	
Highway Data				S	ite Con	ditions (Hard =	10, So	ft = 15)		
Average Daily	Traffic (Adt):	29,339 vehicle	es					Autos:	15		
Peak Hour	Percentage:	10.00%			Ме	dium Tru	cks (2 A	xles):	15		
	lour Volume:	2,934 vehicle	s		He	avy Truc	ks (3+ A	xles):	15		
Ve	ehicle Speed:	55 mph			ehicle l						
Near/Far La	ne Distance:	90 feet		V				D	in-	A Contra	D-:/-
a:				_	ven	icleType		Day 76.6%	Evening 12.8%	Night 10.6%	Daily 96.08%
Site Data				-		A edium Tn		76.6% 84.5%	3.6%	11.9%	2.04%
	rrier Height:	0.0 feet				Heavy Tri		04.5% 76.1%		21.7%	
Barrier Type (0-V		0.0			,	icavy III	icns.	70.170	2.270	21.770	1.07 %
	ist. to Barrier:	66.0 feet		N	loise So	ource Ele	vations	(in fe	et)		
Centerline Dist.		66.0 feet				Autos	. 0.0	000			
Barrier Distance		0.0 feet			Mediu	m Trucks	2.2	297			
Observer Height	, ,	5.0 feet			Heav	y Trucks	: 8.0	004	Grade Adj	ustment:	0.0
	ad Elevation:	0.0 feet			ana Fa	uivalent	Dietone	o (in f	not)		
	ad Elevation:	0.0 feet		L	ane Eq				eet)		
	Road Grade:	0.0%				Autos					
	Left View:	-90.0 degre				m Trucks					
	Right View:	90.0 degre	es		neav	y Trucks	48.	5/4			
FHWA Noise Mod	el Calculation	s									
VehicleType	REMEL	Traffic Flow	Dista			Road	Fresn		Barrier Atte		m Atten
Autos:				0.09		-1.20		-4.71	0.0		0.00
Medium Trucks:				0.11		-1.20		-4.88	0.0		0.00
Heavy Trucks:	86.40	-15.31		0.11		-1.20		-5.30	0.0	100	0.000
Unmitigated Nois											
VehicleType	Leq Peak Hou			.eq Ev		Leq N	•		Ldn		VEL
Autos:		2.5	70.5		68.8		63.2		71.6		72.
Medium Trucks:		3.4	64.9		57.2		57.6		65.7		65.9
	70).0	68.0		58.6		63.8		70.9		71.0
Heavy Trucks:			73.2		69.4		67.1		74.8	5	75.
Vehicle Noise:											
)	70 d	DΛ	65.0	DΛ	6	0 dBA	55	dD A
Vehicle Noise:				70 di		65 a		6	0 dBA	55	dBA
Vehicle Noise:		ontour (in feet	Ldn:	70 di	BA 139 146	65 a	BA 299 314	6	0 dBA 644 676	55	dBA 1,386

Thursday, August 24, 2023

	FHWA-RI	D-77-108 HIGH	WAY	NOISE	PREDIC	TION M	ODEL	(9/12/2	021)		
Road Na	ario: OY+P me: Foothill Bl. ent: e/o Cherry							Beech 14726	Logistics (Center	
SITE Highway Data	SPECIFIC IN	IPUT DATA			Site Con				L INPUT	s	
Average Dail Peak Hou Peak	y Traffic (Adt): ir Percentage: Hour Volume: 'ehicle Speed:	37,963 vehicle 10.00% 3,796 vehicles 55 mph			Ме	dium Tru avy Truc	ıcks (2	Autos Axles)	15		
Near/Far L	ane Distance:	90 feet		ŀ		icleType		Dav	Evening	Night	Dailv
Site Data B Barrier Type (0-	arrier Height: Wall. 1-Berm):	0.0 feet 0.0			М			76.69 84.59 76.19	6 12.8% 6 3.6%	10.6%	96.17%
	Dist. to Barrier:	66.0 feet			Noise So				eet)		
Barrier Distance Observer Height	e to Observer:	0.0 feet 5.0 feet 0.0 feet			Heav	Autos m Trucks y Trucks	s: 2 s: 8	0.000 2.297 3.004	Grade Ad	ljustmen	t: 0.0
R	oad Elevation: Road Grade: Left View:	0.0 feet 0.0%		-	Lane Eq	uivalent Autos m Trucks	s: 48	nce (in 3.539 3.356	feet)		
	Right View:	-90.0 degree 90.0 degree				y Trucks		3.374			
FHWA Noise Mo	del Calculation										
VehicleType	REMEL	Traffic Flow	Dis	tance		Road	Fres		Barrier Att		rm Atten
Autos				0.0	-	-1.20		-4.71 -4.88		000	0.000
Medium Trucks Heavy Trucks				0.1		-1.20 -1.20		-4.88 -5.30		000	0.000
Unmitigated Nois	se Levels (with	out Topo and I	barrie	er atter	nuation)						
VehicleType	Leq Peak Hou			Leq E	vening	Leq I			Ldn		NEL
Autos			71.6		69.9		64		72.		73.3
Medium Trucks			6.0		58.3		58		66.	-	67.0
Heavy Trucks Vehicle Noise			74.2		59.5 70.5		68		71. 75.	-	71.9 76.2
Centerline Distar	neo to Moies C										
Centerline Distal	ICE IO NOISE CI	omour (m reet)		70	dBA	65 (dBA		60 dBA	55	dBA
			Ldn:		163		35	1	756	3	1,629
		CN	IEL:		171		36	9	795	5	1,713

	FHWA-RI	0-77-108 HIGH	WAY NO	ISE F	REDIC	TION M	ODEL	(9/12/2	(021)		
	nrio: E me: Foothill Bl. ent: w/o Hemloo							Beech 14726	Logistics	Center	
	SPECIFIC IN	IPUT DATA		0	4- 0				L INPUT	S	
Peak Hou Peak	r Traffic (Adt): r Percentage: Hour Volume:	25,529 vehicle 10.00% 2,553 vehicles		31	Ме	ditions (dium Tru avy Truc	ıcks (2	Autos Axles)	: 15 : 15		
	ehicle Speed: ane Distance:	55 mph 90 feet		Ve	ehicle i						
Site Data				+	Veh	icleType A	Autos:	76.69	Evening 12.8%	Night 10.6	
Barrier Type (0-1	arrier Height: Wall, 1-Berm):	0.0 feet 0.0				edium Tr Heavy Tr		84.59 76.19		11.9 21.7	
Centerline Dist Barrier Distance Observer Height	e to Observer:	66.0 feet 66.0 feet 0.0 feet 5.0 feet 0.0 feet		N	Mediu	Autos Trucks ry Trucks	s: 0 s: 2	ns (in 1 0.000 2.297 3.004	Grade Ad	ljustme	nt: 0.0
Re	Road Elevation: Road Grade: Left View: Right View:	0.0 feet 0.0% -90.0 degree 90.0 degree		Lá	Mediu	Autos m Trucks ry Trucks	s: 48 s: 48	3.539 3.356 3.374	feet)		
FHWA Noise Mod	del Calculation	s									
VehicleType Autos Medium Trucks Heavy Trucks	82.40	1.20 -15.61 -16.43		0.09 0.11 0.11	Finite	-1.20 -1.20 -1.20	Fres	-4.71 -4.88 -5.30	0.	en B 000 000 000	0.000 0.000 0.000
Unmitigated Nois	se Levels (with	out Topo and I	barrier at	tenu	ation)						
VehicleType	Leq Peak Hou		_	q Eve		_	Night		Ldn		CNEL
Autos Medium Trucks Heavy Trucks	: 65	.7	69.9 64.2 66.9		68.2 56.5 57.5		62 56 62	.9	71. 65.	1	71.6 65.2 69.9
Vehicle Noise			72.4		68.8		66		74.	-	74.4
Centerline Distar	ice to Noise Co	ontour (in feet)									
			dn:	70 dE	3A 122	65 (dBA 26		60 dBA 568		55 dBA 1.225
		-	IEL:		129		27		599		1,290

	FHWA-RI	D-77-108 HIGH	WAY N	OISE	PREDIC	TION	MODEL (9	/12/2	021)		
	io: OY e: Foothill Bl. nt: w/o Hemlo						t Name: E lumber: 1		Logistics Ce	nter	
SITE	SPECIFIC IN	IPUT DATA							L INPUTS		
Highway Data				S	ite Con	ditions	(Hard =	10, S	oft = 15)		
	Traffic (Adt): Percentage: our Volume:	28,475 vehicle 10.00% 2,847 vehicle					ucks (2 A cks (3+ A	,	15		
Ve	hicle Speed:	55 mph		v	ehicle l	Mix					
Near/Far La	ne Distance:	90 feet		F		icleType	•	Dav	Evening	Vight	Daily
Site Data								76.6%		10.6%	96.33%
Rai	rier Heiaht:	0.0 feet			М	edium T	rucks:	84.5%	3.6%	11.9%	2.01%
Barrier Type (0-W		0.0				Heavy T	rucks:	76.1%	6 2.2%	21.7%	1.66%
Centerline Dis		66.0 feet		٨	loise So	ource E	levations	(in f	eet)		
Centerline Dist.	to Observer:	66.0 feet		F		Auto		•	,		
Barrier Distance	to Observer:	0.0 feet			Mediu	m Truck					
Observer Height (Above Pad):	5.0 feet				/v Truck			Grade Adju	stment:	0.0
Pa	ad Elevation:	0.0 feet				,					
	ad Elevation:	0.0 feet		L	ane Eq		t Distanc	_	feet)		
I	Road Grade:	0.0%				Auto					
	Left View:	-90.0 degree				m Truck					
	Right View:	90.0 degree	es		Heav	ry Truck	s: 48.3	374			
FHWA Noise Mode	el Calculation	s									
VehicleType	REMEL	Traffic Flow	Dista	nce	Finite	Road	Fresn	e/	Barrier Atter	Berr	n Atten
Autos:	71.78	1.67		0.09)	-1.20		4.71	0.00	0	0.000
Medium Trucks:	82.40	-15.13		0.11	1	-1.20		4.88	0.00	0	0.000
Heavy Trucks:	86.40	-15.96		0.11		-1.20		-5.30	0.00	0	0.000
Unmitigated Noise	Levels (with	out Topo and	barrier	atteni	uation)						
VehicleType	Leq Peak Hou			Leq Ev	ening	Leq	Night		Ldn	CN	IEL
Autos:			70.4		68.6		63.1		71.5		72.0
Medium Trucks:			64.7		57.0		57.4		65.5		65.7
Heavy Trucks:			67.4		58.0		63.2		70.3		70.3
Vehicle Noise:	74	1.8	72.9		69.3		66.7		74.5		74.8
Centerline Distanc	e to Noise C	ontour (in feet)								
				70 d		65	dBA	-	60 dBA	55	dBA
			Ldn:		132		284		611		1,317
		C	NEL:		139		299		644		1,387

Coons	io: F+P	D-77-108 HIGH	WAI N	OIOL I	INLDIC				Logistics (Contor	
	ne: Foothill Bl.	(CD 66)					ımher: 1		Logistics	enter	
	nt: w/o Hemlo					JOD IVE	irriber.	4720			
	SPECIFIC IN					N	OICE N	IODE	L INPUT		
Highway Data	SPECIFIC II	IPUI DAIA		S	ite Con	ditions (<u> </u>	
Average Daily	Traffic (Adt):	25.742 vehicle	es				-	Autos:	15		
Peak Hour	Percentage:	10.00%			Ме	dium Tru	cks (2 A	xles):	15		
Peak F	lour Volume:	2,574 vehicle	s		He	avy Truc	ks (3+ A	xles):	15		
Ve	hicle Speed:	55 mph		1/	ehicle l	Miv					
Near/Far La	ne Distance:	90 feet		-		icleType		Dav	Evening	Night	Dailv
Site Data					Ven			76.6%	12.8%	10.6%	
	rrior Holak 4:	0.0 feet			М	edium Tri		84.5%	3.6%	11.9%	2.05%
Barrier Type (0-W	rrier Height:	0.0 reet 0.0				Heavy Tri		76.1%		21.7%	1.90%
Centerline Di		0.0 66.0 feet				,				21 70	1.007
Centerline Di		66.0 feet		N	loise So	ource Ele		•	et)		
Barrier Distance		0.0 feet				Autos		000			
Observer Height		5.0 feet				m Trucks		297			
	ad Elevation:	0.0 feet			Heav	ry Trucks	: 8.0	004	Grade Adj	ustment:	0.0
	ad Elevation:	0.0 feet		L	ane Ea	uivalent	Distanc	e (in f	eet)		
	Road Grade:	0.0%				Autos			,		
	Left View:	-90.0 degre	es		Mediu	m Trucks	: 48.3	356			
	Right View:	90.0 degre			Heav	y Trucks	: 48.3	374			
FHWA Noise Mod	el Calculation	s									
VehicleType	REMEL	Traffic Flow	Dista	nce	Finite	Road	Fresn	el l	Barrier Atte	en Ber	m Atten
Autos:	71.78	1.22		0.09)	-1.20		-4.71	0.0	000	0.00
Medium Trucks:	82.40	-15.49		0.11		-1.20		-4.88	0.0	000	0.00
Heavy Trucks:	86.40	-15.81		0.11		-1.20		-5.30	0.0	000	0.00
Unmitigated Nois	e Levels (with	out Topo and	barrier	attenu	ıation)						
VehicleType	Leq Peak Hot			eq Eve		Leq I	_		Ldn		VEL
Autos:		1.9	69.9		68.2		62.6		71.0		71.
Medium Trucks:		5.8	64.3		56.6		57.0		65.2	-	65.
Heavy Trucks:		9.5	67.5		58.1		63.3		70.4		70.
	74	1.5	72.6		68.9		66.5		74.3	3	74.
Vehicle Noise:											
Vehicle Noise:	ce to Noise C	ontour (in feet)	70 41	D A	65.0	ID A	-	0 40 4		dD A
Vehicle Noise:	ce to Noise C	ontour (in feet		70 dl		65 a		6	0 dBA		dBA
	ce to Noise C		Ldn:	70 dl	BA 128 134	65 a	IBA 275 289	6	0 dBA 592 622		dBA 1,276 1,341

Thursday, August 24, 2023

	FHWA-RI	D-77-108 HIGHV	VAY NOI	SE PREDI	CTION M	IODEL	(9/12/2	2021)		
Road Nam	io: OY+P ne: Foothill Bl. nt: w/o Hemloo						Beech 14726	Logistics (Center	
	SPECIFIC IN	IPUT DATA		Cito Co				EL INPUT	S	
Highway Data	T # (4 #)	00.077 1:1		Site Co.	nditions	(Hara	Autos			
Average Daily	. ,	28,677 vehicles 10.00%	3		edium Tri	uaka (*				
	Percentage: lour Volume:	2.868 vehicles			eavy Tru					
	hicle Speed:	,		- ''	eavy IIu	יטן פאט	Axies	. 13		
	ne Distance:	55 mph 90 feet		Vehicle	Mix					
iveai/rai La	ne Distance.	90 leet		Ve	hicleType		Day	Evening	Night	Daily
Site Data					/	Autos:	76.69	6 12.8%	10.6%	96.12%
Ba	rrier Height:	0.0 feet		٨	∕ledium T	rucks:	84.59	6 3.6%	11.9%	2.04%
Barrier Type (0-W		0.0			Heavy T	rucks:	76.19	6 2.2%	21.7%	1.84%
Centerline Di	st. to Barrier:	66.0 feet		Noise S	ource El	lovatio	ne (in f	foot)		
Centerline Dist.	to Observer:	66.0 feet		Noise S	Auto.		0.000	eei)		
Barrier Distance	to Observer:	0.0 feet		Madi	ım Truck.		2.297			
Observer Height	(Above Pad):			ani Truck avy Truck	· ·	3.004	Grade Ad	iustmani	. 0.0	
P	ad Elevation:	0.0 feet		пес	ivy Truck	S. (0.004	Orauc Au	justineni	. 0.0
Ro	ad Elevation:	0.0 feet		Lane E	quivalent	t Dista	nce (in	feet)		
	Road Grade:	0.0%			Auto	s: 4	3.539			
	Left View:	-90.0 degrees	S	Media	um Truck	s: 4	3.356			
	Right View:	90.0 degrees	3	Hea	vy Truck	s: 4	3.374			
FHWA Noise Mod	el Calculation	s		1						
VehicleType	REMEL	Traffic Flow	Distanc		e Road	Fre		Barrier Att		m Atten
Autos:	71.78	1.69		0.09	-1.20		-4.71		000	0.000
Medium Trucks:	82.40	-15.04		0.11	-1.20		-4.88		000	0.000
Heavy Trucks:		-15.48).11	-1.20		-5.30	0.0	000	0.000
Unmitigated Noise VehicleType	Leg Peak Hou			enuation) Evening	_	Night		Ldn		NFL.
Autos:	72		0.4	68.		rvigrit 63	1	71.	_	72.1
Medium Trucks:	66		4.8	57.		57		65.0		65.8
Heavy Trucks:	69		7.9	58.4		63		70.	-	70.8
Vehicle Noise:			3.0	69.3		66		74.		75.0
Centerline Distan	ce to Noise Co	ontour (in feet)								
			7	'0 dBA		dBA		60 dBA		dBA
		_	.dn:	136		29	-	631		1,360
		CN	EL:	143	}	30	8	664		1,430

	FHWA-RI	0-77-108 HIGH	IWAY	NOISE	PREDIC	CTION N	IODEL (9/12/2	021)		
Scenari Road Nam Road Segmen	e: Foothill Bl.						Name: lumber:		Logistics (Center	
SITE S Highway Data	SPECIFIC IN	IPUT DATA			ita Car	N ditions			L INPUT	S	
Average Daily Peak Hour Peak H	Percentage: our Volume:	26,742 vehicle 10.00% 2,674 vehicle		3	Ме	edium Tri eavy Trui	ucks (2	Autos: Axles):	15 15		
Vel Near/Far Lar	hicle Speed:	55 mph 90 feet		ν	ehicle!						
	ie Distance.	90 leet			Veh	icleType		Day	Evening	Night	Daily
Site Data Barrier Type (0-W	rier Height: all, 1-Berm):	0.0 feet 0.0				edium T Heavy T		76.6% 84.5% 76.1%	3.6%	10.6% 11.9% 21.7%	2.01%
Centerline Dis	st. to Barrier:	66.0 feet		۸	loise Si	ource El	evation	s (in fe	oet)		
Centerline Dist. 1 Barrier Distance t Observer Height (J	to Observer:	66.0 feet 0.0 feet 5.0 feet 0.0 feet			Mediu	Auto m Truck vy Truck	s: 0. s: 2.	000 297 004	Grade Ad	ljustmen	t: 0.0
	d Elevation:	0.0 feet		L	ane Eq	uivalent	Distan	ce (in	feet)		
	Road Grade: Left View: Right View:	0.0% -90.0 degree 90.0 degree			Mediu	Auto m Truck vy Truck	s: 48 s: 48	.539 .356 .374	,		
FHWA Noise Mode	l Calculation	•									
VehicleType	REMEL	Traffic Flow	Dis	stance	Finite	Road	Fresi	nel	Barrier Att	en Be	rm Atten
Autos:	71.78	1.40		0.09		-1.20		-4.71		000	0.000
Medium Trucks:	82.40	-15.41		0.11		-1.20		-4.88	0.0	000	0.000
Heavy Trucks:	86.40	-16.23		0.11		-1.20		-5.30	0.0	000	0.000
Unmitigated Noise	Levels (with	out Topo and	barrie	er attenu	uation)						
VehicleType	Leq Peak Hou	ır Leq Day	/	Leq Ev	ening	Leq	Night		Ldn	C	NEL
Autos:	72	.1	70.1		68.4		62.	В	71.	2	71.8
Medium Trucks:	65	.9	64.4		56.7		57.	1	65.	3	65.4
Heavy Trucks:_ Vehicle Noise:	69 74		67.1 72.6		57.7 69.0		62.	_	70. 74.		70.1 74.6
					69.0		66.	4	74	۷	74.0
Centerline Distanc	e to Noise Co	ontour (in feet)	70 d	D A	65	dBA	1 4	SO dBA		dBA
			Ldn:	700	126	00	и <i>Б</i> А 272		586		1.263
			NEL:		133		287		617		1,330

	FHWA-RI	D-77-108 HIGH	WAY NO	ISE I	PREDIC	TION N	ODEL (9.	12/2	021)		
Scenari Road Nam Road Segmer	e: Foothill Bl.						Name: B lumber: 1		Logistics Ce	nter	
SITE	SPECIFIC IN	IPUT DATA					IOISE M	ODE	L INPUTS		
Highway Data				S	ite Con	ditions	(Hard = 1	0, S	oft = 15)		
Average Daily	Traffic (Adt):	31,783 vehicle	:S				Α	utos:	15		
Peak Hour	Percentage:	10.00%			Me	dium Tr	ucks (2 A	kles):	15		
Peak H	our Volume:	3,178 vehicles	;		He	avy Tru	cks (3+ A	kles):	15		
Vei	hicle Speed:	55 mph		V	'ehicle l	Miv					
Near/Far Lai	ne Distance:	90 feet		-		icleType	, <i>[</i>	Day	Evening I	Vight	Daily
Site Data				-	V C//			6.6%	-	10.6%	96.33%
	rier Height:	0.0 feet			М	edium T		4.5%		11.9%	2.01%
Barrier Type (0-W		0.0 feet			-	Heavy T	rucks: 7	6.1%	2.2%	21.7%	1.66%
Centerline Dis		66.0 feet		-							
Centerline Dist		66.0 feet		Ν	loise Sc		levations	•	eet)		
Barrier Distance		0.0 feet				Auto	0.0				
Observer Height (5.0 feet				m Truck					
	ad Elevation:	0.0 feet			Heav	y Truck	s: 8.0	04	Grade Adju	stment:	0.0
	ad Elevation:	0.0 feet		L	ane Eq	uivalen	t Distance	e (in	feet)		
F	Road Grade:	0.0%				Auto		_	· ·		
	Left View:	-90.0 degree	es.		Mediu	m Truck	s: 48.3	56			
	Right View:	90.0 degree			Heav	y Truck	s: 48.3	74			
FHWA Noise Mode	el Calculation	s									
VehicleType	REMEL	Traffic Flow	Distan			Road	Fresne		Barrier Atter		n Atten
Autos:	71.78			0.09		-1.20		4.71	0.00		0.000
Medium Trucks:	82.40			0.11		-1.20		4.88	0.00		0.000
Heavy Trucks:	86.40			0.11		-1.20	-	5.30	0.00	0	0.000
Unmitigated Noise									Ldn		IEL
VehicleType Autos:	Leq Peak Hou		70.9	q Ev	ening 69.1	Leq	Night 63.5		71.9	Ch	72.5
Medium Trucks:	66		70.9 85.1		57.5		57.9		66.0		66.2
Heavy Trucks:	69		67.9		58.4		63.7		70.7		70.8
Vehicle Noise:			73.3		69.7		67.2		75.0		75.3
Centerline Distanc	e to Noise Co	ontour (in feet)									
				70 d	BA	65	dBA	(60 dBA	55	dBA
			Ldn:		142		305		658		1,417

Scenario: Road Name: Road Segment:	Foothill Bl. (Project I Job Nu			Logistics (Center	
SITE SPI Highway Data	ECIFIC INI	PUT DATA			Site Con	N(ditions (l			L INPUT	S	
	ffin (Adt): 1	20 070 vehiele	_		one con	unions (i		Autos:	15		
Average Daily Tra	. ,	26,972 vehicle:	S			di T					
Peak Hour Per	-	10.00%				dium Trui avy Truci					
Peak Hour		2,697 vehicles			не	avy iruci	(S (3+	Axies):	15		
	e Speed:	55 mph		1	Vehicle I	Иiх					
Near/Far Lane I	Distance:	90 feet			Veh	icleType		Day	Evening	Night	Daily
Site Data						A	utos:	76.6%	12.8%	10.6%	96.079
Barrie	r Height:	0.0 feet			Me	edium Tru	icks:	84.5%	3.6%	11.9%	2.059
Barrier Type (0-Wall,	-	0.0			F	Heavy Tru	icks:	76.1%	2.2%	21.7%	1.899
Centerline Dist. to	o Barrier:	66.0 feet		-	Maiaa Ca	urce Ele	vetion	o (in f	not)		
Centerline Dist. to C	Observer:	66.0 feet		Ľ	140/36 30	Autos		.000	et)		
Barrier Distance to C	Observer:	0.0 feet			Modiu	m Trucks	-	297			
Observer Height (Abo	ove Pad):	5.0 feet				y Trucks.	_	.297	Grade Ad	iustman	+ n n
Pad E	levation:	0.0 feet			пеач	y ITUCKS.	. 0	.004	Grade Au	Justinein	. 0.0
Road E	levation:	0.0 feet		1	Lane Eq	uivalent l	Distan	ce (in i	feet)		
Roa	d Grade:	0.0%				Autos.	48	.539			
L	.eft View:	-90.0 degree	S		Mediui	m Trucks.	48	.356			
Ri	ght View:	90.0 degree	S		Heav	y Trucks.	48	.374			
FHWA Noise Model C	alculations										
VehicleType I	REMEL	Traffic Flow	Dis	tance	Finite	Road	Fresi	nel	Barrier Att	en Be	rm Atten
Autos:	71.78	1.43		0.0	9	-1.20		-4.71	0.0	000	0.00
Medium Trucks:	82.40	-15.29		0.1	1	-1.20		-4.88	0.0	000	0.00
Heavy Trucks:	86.40	-15.64		0.1	1	-1.20		-5.30	0.0	000	0.00
Unmitigated Noise Le	vels (witho	ut Topo and b	arrie	er atten	uation)						
VehicleType Led	q Peak Hour			Leq E	vening	Leq N	light		Ldn		NEL
Autos:	72.		0.1		68.4		62.	-	71.	_	71.
Medium Trucks:	66.	0 6	34.5		56.8		57.	2	65.4	4	65.
Heavy Trucks:	69.		7.7		58.3		63.	5	70.0		70.
Vehicle Noise:	74.	7 7	2.8		69.1		66.	7	74.	5	74.
Centerline Distance t	o Noise Co	ntour (in feet)		70		05.					
			, L	70 0	dBA	65 d			0 dBA		dBA
		_	.dn:		131		283		610		1,314
		CN	IEL:		138		298	5	641		1.38

Thursday, August 24, 2023

	FHWA-RI	D-77-108 HIGHV	VAY NO	ISE	PREDIC	TION M	ODEL	(9/12/2	(021)		
Road Na	ario: OY+P me: Foothill Bl. ent: e/o Hemloo							Beech 14726	Logistics	Center	
SITE Highway Data	SPECIFIC IN	IPUT DATA		5	ite Con				L INPUT oft = 15)	s	
Average Dail Peak Hou Peak	y Traffic (Adt): ir Percentage: Hour Volume: 'ehicle Speed:	32,002 vehicles 10.00% 3,200 vehicles 55 mph	8		Ме	dium Tru	ucks (2	Autos Axles)	: 15 : 15		
Near/Far L	ane Distance:	90 feet		F		icleType	T	Dav	Evening	Night	Dailv
Site Data B Barrier Type (0-	arrier Height: Wall, 1-Berm):	0.0 feet 0.0				edium Ti Heavy Ti		76.69 84.59 76.19	6 3.6%		2.03%
Centerline L	Dist. to Barrier:	66.0 feet			laisa Si	ource El	ovatio	ne (in f	inat)		
Centerline Disa Barrier Distance Observer Height	e to Observer:	66.0 feet 0.0 feet 5.0 feet 0.0 feet			Autos: 0.000 Medium Trucks: 2.297 Heavy Trucks: 8.004 Grade Adjustment: 0.0						
R	oad Elevation:	0.0 feet		L	ane Eq	uivalent	Dista	nce (in	feet)		
	Road Grade: Left View: Right View:	0.0% -90.0 degrees 90.0 degrees				Auto: m Truck: ry Truck:	s: 48	3.539 3.356 3.374			
FHWA Noise Mo	del Calculation	s		_							
VehicleType	REMEL	Traffic Flow	Distan	се	Finite	Road	Fres	inel	Barrier At	ten Be	rm Atten
Autos	: 71.78	2.17		0.09)	-1.20		-4.71	0.	000	0.000
Medium Trucks	82.40	-14.57		0.11		-1.20		-4.88	0.	000	0.000
Heavy Trucks	86.40	-15.05		0.11		-1.20		-5.30	0.	000	0.000
Unmitigated Noi:	se Levels (with	out Topo and b	arrier a	ttenı	ıation)						
VehicleType	Leq Peak Hou			q Ev	ening	Leq	Night		Ldn		NEL
Autos			0.9		69.1		63		72.	-	72.5
Medium Trucks			5.2		57.5		57		66.		66.3
Heavy Trucks Vehicle Noise			8.3 3.5		58.9 69.8		64		71. 75.		71.2 75.5
			3.5		69.8		67	.4	75.	2	75.5
Centerline Distai	nce to Noise C	ontour (in feet)		70 d	RΔ	65	dBA		60 dBA	56	i dBA
		1	dn:	, , , u	146	051	31		677		1.459
		_	EL:		153		33		712		1,534

	FHWA-RI	D-77-108 HIGH	IWAY	NOISE	PREDIC	CTION N	IODEL (9/12/2	021)		
Scenario Road Name Road Segment	: Foothill Bl.						Name: lumber:		Logistics (Center	
SITE S Highway Data	PECIFIC IN	IPUT DATA			ita Car	N ditions			L INPUT	S	
Average Daily T Peak Hour F Peak Ho	Percentage: our Volume:	25,764 vehicle 10.00% 2,576 vehicle			Ме	edium Tri eavy Trui	ucks (2	Autos: Axles):	15 15		
Veh Near/Far Lan	icle Speed:	55 mph 90 feet		V	/ehicle						
	e Distance.	90 1661			Veh	icleType		Day	Evening	Night	Daily
Site Data							Autos:	76.6%		10.6%	
Barr	ier Height:	0.0 feet				edium T		84.5%		11.9%	
Barrier Type (0-Wa	all, 1-Berm):	0.0				Heavy T	rucks:	76.1%	2.2%	21.7%	1.66%
Centerline Dist	t. to Barrier:	66.0 feet		٨	loise S	ource El	levation	s (in f	eet)		
Centerline Dist. to	Observer:	66.0 feet		F		Auto		.000	,		
Barrier Distance to	Observer:	0.0 feet			Mediu	m Truck		297			
	bserver Height (Above Pad): 5					vv Truck		.004	Grade Ad	justmen	t: 0.0
	d Elevation:	0.0 feet		-							
	d Elevation:	0.0 feet		L	ane Eq	uivalent		_ •	feet)		
R	oad Grade:	0.0%				Auto		.539			
	Left View:	-90.0 degree				m Truck		.356			
	Right View:	90.0 degree	es		Hea	vy Truck	s: 48	.374			
FHWA Noise Model	Calculation	s									
VehicleType	REMEL	Traffic Flow	Dis	stance	Finite	Road	Fresi	nel	Barrier Att	en Be	rm Atten
Autos:	71.78	1.24		0.09	9	-1.20		-4.71	0.0	000	0.000
Medium Trucks:	82.40	-15.57		0.11	I	-1.20		-4.88	0.0	000	0.000
Heavy Trucks:	86.40	-16.39		0.11	I	-1.20		-5.30	0.0	000	0.000
Unmitigated Noise	Levels (with	out Topo and	barrie	er atteni	uation)						
VehicleType L	Leq Peak Hou	ır Leq Day	/	Leq Ev	ening	Leq	Night		Ldn	С	NEL
Autos:	71	.9	70.0		68.2		62.	6	71.)	71.6
Medium Trucks:	65	.8	64.2		56.5		57.	0	65.	1	65.3
Heavy Trucks:	68	.9	66.9		57.5		62.	7	69.	3	69.9
Vehicle Noise:	74	.3	72.4		68.8		66.	2	74.	1	74.4
Centerline Distance	e to Noise Co	ontour (in feet)								
				70 d	IBA	65	dBA	(60 dBA	55	dBA
			Ldn:		123		265	5	572	!	1,232
		C	NEL:		130		280)	602	!	1,298

	FHWA-RE	0-77-108 HIGH	WAY I	NOISE	PREDIC	TION M	ODEL	(9/12/2	021)		
	io: OY le: Foothill Bl. nt: e/o Beech							Beech 14726	Logistics (Center	
SITE :	SPECIFIC IN	IPUT DATA			Sita Can	N ditions			L INPUT	s	
Average Daily Peak Hour Peak H	Percentage: lour Volume:	30,515 vehicle 10.00% 3,051 vehicles			Ме	dium Tru avy Truc	icks (2	Autos: Axles).	15 15		
Vei Near/Far Lai	hicle Speed:	55 mph 90 feet			Vehicle I	Wix					
Neal/Fal Lai	ne Distance.	90 leet			Veh	icleType		Day	Evening	Night	Daily
Site Data							lutos:	76.6%		10.6%	96.33%
Barrier Type (0-W	rrier Height: 'all, 1-Berm):	0.0 feet 0.0				edium Tr Heavy Tr		84.5% 76.1%		11.9% 21.7%	2.01% 1.66%
Centerline Dis	st. to Barrier:	66.0 feet		-	Noise So	ource Ele	evatio	ns (in f	eet)		
Centerline Dist. Barrier Distance Observer Height (to Observer:	66.0 feet 0.0 feet 5.0 feet			Mediu	Autos m Trucks vy Trucks	s: (s: 2	0.000 2.297 3.004	Grade Ad	liustmant	. 0.0
Pa	ad Elevation:	0.0 feet		L	пеан	ry Trucks	s. c	0.004	Orace Au	justinent.	0.0
Roa	ad Elevation:	0.0 feet		1	Lane Eq	uivalent	Dista	nce (in	feet)		
F	Road Grade:	0.0%				Autos	s: 48	3.539			
	Left View: Right View:	-90.0 degree				m Trucks /y Trucks		3.356 3.374			
FHWA Noise Mode	el Calculation	s									
VehicleType	REMEL	Traffic Flow	Dist	tance	Finite	Road	Fres	inel	Barrier Att	ten Ber	m Atten
Autos:	71.78	1.97		0.0	9	-1.20		-4.71	0.0	000	0.00
Medium Trucks:	82.40	-14.83		0.1	1	-1.20		-4.88	0.0	000	0.00
Heavy Trucks:	86.40	-15.65		0.1	1	-1.20		-5.30	0.0	000	0.00
Unmitigated Noise	Levels (with	out Topo and	barrie	r atten	uation)						
VehicleType	Leq Peak Hou	ır Leq Day	'	Leq E	vening	Leq	Night		Ldn	CI	VEL
Autos:	72	.6	70.7		68.9		63	.4	71.	8	72.
Medium Trucks:	66	.5	65.0		57.3		57	.7	65.	8	66.0
Heavy Trucks:	69	.7	67.7		58.3		63	.5	70.	6	70.
Vehicle Noise:	75	.1	73.2		69.6		67	.0	74.	8	75.
Centerline Distanc	ce to Noise Co	ontour (in feet))								
				70 (dBA	65 (60 dBA		dBA
			Ldn:		138		29		640		1,379
		CI	VEL:		145		31	3	674	1	1,453

Scenario: E+P Road Name: Foothill Road Segment: e/o Bee					Project Name: Beech Logistics Center Job Number: 14726									
SITE SPECIFION Highway Data	INF	UT DATA			NOISE MODEL INPUTS Site Conditions (Hard = 10, Soft = 15)									
Average Daily Traffic (Ad	*1	25.960 vehicles			Autos: 15									
Peak Hour Percentag	,	10.00%	•			edium Tru	icks (2							
Peak Hour Volum		2.596 vehicles				eavy Truc								
Vehicle Spee		55 mph					, o) en	Axico).	10					
Near/Far Lane Distanc		90 feet			Vehicle									
	С.	30 leet			Vei	hicleType		Day	Evening	Night	Daily			
Site Data							Autos:	76.6%	12.8%	10.6%	96.319			
Barrier Heigh	nt:	0.0 feet				1edium Ti		84.5%	3.6%	11.9%	2.00%			
Barrier Type (0-Wall, 1-Bern	1):	0.0				Heavy Ti	rucks:	76.1%	2.2%	21.7%	1.69%			
Centerline Dist. to Barrie	er:	66.0 feet		H	Noise S	ource El	ovatio	ne (in fa	not)					
Centerline Dist. to Observe	er:	66.0 feet		-	110/36 0	Auto:		0.000	.01)					
Barrier Distance to Observe	er:	0.0 feet			Modi	m Truck:		2.297						
Observer Height (Above Page	d):	5.0 feet				vy Truck		3.004	Grade Ad	iustman	t: 0.0			
Pad Elevation	n:	0.0 feet			rica	vy IIuck	s. (3.004	Orauc Au	justinen	i. 0.0			
Road Elevation	n:	0.0 feet			Lane Ed	quivalent	Dista	nce (in i	feet)					
Road Grad	le:	0.0%				Auto	s: 48	3.539						
Left Vie	W.	-90.0 degrees	S		Media	ım Truck	s: 48	3.356						
Right Vie	W.	90.0 degrees	S		Hea	vy Truck	s: 48	3.374						
FHWA Noise Model Calcula	tions													
VehicleType REMEL	.	Traffic Flow	Di	stance	Finite	e Road	Fres	snel	Barrier Att	en Be	rm Atten			
Autos: 71	.78	1.27		0.0	19	-1.20		-4.71		000	0.00			
	2.40	-15.55		0.1		-1.20		-4.88		000	0.00			
Heavy Trucks: 86	6.40	-16.30		0.1	1	-1.20		-5.30	0.0	000	0.00			
Unmitigated Noise Levels (v			arri			_								
VehicleType Leq Peak Autos:	71.9		0.0	Leq E	vening 68.2		Night 62		Ldn 71.		NEL 71.			
Autos: Medium Trucks:	65.8		4.2		56.6	_	57		65.	•	65			
	69.0		7.0		57.6	-		.0	69.	•	70.			
Heavy Trucks: Vehicle Noise:	74.4		2.5		68.9			8	74.	-	70.			
Centerline Distance to Noise	e Cor	ntour (in feet)												
		(П	70	dBA	65	dBA	6	0 dBA	55	dBA			
		,	dn:		124		26	0	577	, '	1.242			
		L	un.		124									

Thursday, August 24, 2023

	FHWA-R	D-77-108 HIGH	WAY N	IOISE	PREDIC	TION M	ODEL	(9/12/2	(021)					
Road Na	ario: OY+P me: Foothill Bl. ent: e/o Beech				Project Name: Beech Logistics Center Job Number: 14726									
SITI Highway Data	SPECIFIC II	NPUT DATA			NOISE MODEL INPUTS Site Conditions (Hard = 10, Soft = 15)									
Average Dail Peak Hot Peak	y Traffic (Adt): ur Percentage: Hour Volume: /ehicle Speed:	30,722 vehicle 10.00% 3,072 vehicles 55 mph			Ме	dium Tru	ıcks (2	Autos Axles)	: 15 : 15					
Near/Far L	.ane Distance:	90 feet		Ε.		icleType	T	Dav	Evening	Night	Daily			
Site Data B Barrier Type (0-	arrier Height:	0.0 feet 0.0			М			76.69 84.59 76.19	6 12.8% 6 3.6%	10.6%	96.28% 2.01%			
Centerline I	Dist. to Barrier:	66.0 feet		٨	loise Sc	ource El	evatio	ns (in f	eet)					
Barrier Distance Observer Heigh		66.0 feet 0.0 feet 5.0 feet 0.0 feet				Autos m Trucks vy Trucks	s: 2	0.000 2.297 3.004	Grade Ad	ljustmen	t: 0.0			
R	oad Elevation:	0.0 feet		L	ane Eq	uivalent	Dista	nce (in	feet)					
	Road Grade: Left View: Right View:	0.0% -90.0 degree 90.0 degree				Autos m Trucks y Trucks	s: 48	3.539 3.356 3.374						
FHWA Noise Mo	del Calculation	ıs												
VehicleType	REMEL	Traffic Flow	Dista	ance	Finite	Road	Fres	snel	Barrier Att	ten Be	rm Atten			
Autos	s: 71.78	2.00		0.09)	-1.20		-4.71	0.	000	0.000			
Medium Trucks	s: 82.40	-14.80		0.11	l	-1.20		-4.88	0.	000	0.000			
Heavy Trucks				0.11		-1.20		-5.30	0.	000	0.000			
Unmitigated Noi								-						
VehicleType Auto:	Leq Peak Ho		70.7	Leq Ev	ening 69.0	Leq	Nignt 63	4	Ldn 71		NEL 72.4			
Medium Truck			70.7 35.0		57.3		57		65.	-	72.4 66.0			
Heavy Trucks			35.U 37.8		58.4		63		70.	-	70.8			
Vehicle Noise			73.2		69.6		67		74.		75.2			
Centerline Dista	nce to Noise C	ontour (in feet)												
				70 d	BA .	65 (dΒA		60 dBA	55	dBA			
			Ldn:		140		30	1	648	3	1,395			
		CN	IEL:		147		31	6	682	2	1,469			

FHWA-R	D-77-108 HIGH	lWAY	NOISE	PREDIC	CTION N	IODEL	(9/12/2	021)					
Scenario: E Road Name: Foothill Bl. Road Segment: w/o Citrus				Project Name: Beech Logistics Center Job Number: 14726									
SITE SPECIFIC II	NPUT DATA			NOISE MODEL INPUTS Site Conditions (Hard = 10, Soft = 15)									
Highway Data			3	ite Con	iaitions	(Hara =							
Average Daily Traffic (Adt):	26,377 vehicl	es					Autos:						
Peak Hour Percentage:	10.00%	_			edium Tr eavy Tru		,						
Peak Hour Volume: Vehicle Speed:	2,638 vehicle	S		пе	avy IIu	CKS (3+	Axies).	10					
Near/Far Lane Distance:	55 mph 90 feet		ν	/ehicle	Mix								
Near/Far Lane Distance:	90 feet			Veh	icleType	•	Day	Evening	Night	Daily			
Site Data						Autos:	76.6%	12.8%	10.6%	96.33%			
Barrier Height:	0.0 feet				edium T		84.5%	3.6%	11.9%	2.01%			
Barrier Type (0-Wall, 1-Berm):	0.0				Heavy T	rucks:	76.1%	2.2%	21.7%	1.66%			
Centerline Dist. to Barrier:	66.0 feet		_	loise Si	ource E	levation	ns (in f	oet)					
Centerline Dist. to Observer:	66.0 feet		H.	.0.00	Auto		.000	2019					
Barrier Distance to Observer:	0.0 feet			Mediu	m Truck		.297						
Observer Height (Above Pad):			vv Truck		.004	Grade Ad	liustment	: 0.0					
Pad Elevation:	0.0 feet				,				,				
Road Elevation:	0.0 feet		L	ane Eq	uivalen		_ •	feet)					
Road Grade:	0.0%				Auto		.539						
Left View:	-90.0 degre				m Truck		.356						
Right View:	90.0 degre	es		Hea	vy Truck	s: 48	.374						
FHWA Noise Model Calculation													
VehicleType REMEL	Traffic Flow		stance		Road	Fres		Barrier At		m Atten			
Autos: 71.78			0.09		-1.20		-4.71		000	0.000			
Medium Trucks: 82.40			0.11		-1.20		-4.88		000	0.000			
Heavy Trucks: 86.40	-16.29		0.11	I	-1.20		-5.30	0.	000	0.000			
Unmitigated Noise Levels (with							_						
VehicleType Leq Peak Ho			Leq Ev			Night		Ldn		NEL			
	2.0	70.1		68.3 56.6		62. 57.		71.		71.7			
								65. 69.		65.4			
	9.0 4.4	67.0 72.5		57.6 68.9		62. 66.	-	69. 74.	-	70.0 74.5			
Centerline Distance to Noise C	ontour (in foot	9											
Centerinie Distance to Noise C	ontour (III leet	,	70 d	IBA	65	dBA		60 dBA	55	dBA			
		Ldn:		125		270)	58	1	1,252			
		NEL:											

	FHWA-RD	-77-108 HIGH	IVVA	NOIS	E PREDIC	TION M	ODEL	(9/12/2	021)					
Scenari	io: OY					Project	Name:	Beech	Logistics (Center				
	e: Foothill Bl. (Job N	umber:	14726						
Road Segmer	nt: w/o Citrus A	iV.												
	SPECIFIC IN	PUT DATA			NOISE MODEL INPUTS Site Conditions (Hard = 10, Soft = 15)									
Highway Data					Site Con	aitions	Hara :							
Average Daily	. ,	32,059 vehicle	es					Autos:						
		10.00%				dium Tru		,						
		3,206 vehicle	S		He	avy Truc	ks (3+	Axles):	15					
	hicle Speed:	55 mph			Vehicle i	Mix								
Near/Far La	ne Distance:	90 feet			Veh	icleType		Day	Evening	Night	Daily			
Site Data						A	lutos:	76.6%	12.8%	10.6%	96.33%			
Bai	rrier Height:	0.0 feet			М	edium Tr	ucks:	84.5%	3.6%	11.9%	2.01%			
Barrier Type (0-W		0.0			Heavy Trucks: 76.1% 2.2% 21.7% 1.66									
Centerline Dis	st. to Barrier:	66.0 feet			Noise Source Elevations (in feet)									
Centerline Dist.	to Observer:	66.0 feet			140/36 00	Autos		0.000						
Barrier Distance	to Observer:	0.0 feet			Modiu	m Trucks		2.297						
Observer Height ((Above Pad):	5.0 feet				vy Trucks	-	3.004	Grade Ad	liustment	. 0.0			
Pa	ad Elevation:	0.0 feet			1 Ican	ry Trucks	s. c	3.004	0,000,10	juoumoni	. 0.0			
Roa	ad Elevation:	0.0 feet			Lane Eq	uivalent	Distar	nce (in	feet)					
I	Road Grade:	0.0%			Autos: 48.539									
	Left View:	-90.0 degre	es		Mediu	m Trucks	3: 48	3.356						
	Right View:	90.0 degre	es		Heav	y Trucks	3: 48	3.374						
FHWA Noise Mode														
VehicleType	REMEL	Traffic Flow		stance		Road	Fres		Barrier Att		m Atten			
Autos:	71.78	2.19			09	-1.20		-4.71		000	0.000			
Medium Trucks:		-14.62			11	-1.20		-4.88		000	0.000			
Heavy Trucks:		-15.44			11	-1.20		-5.30	0.0	000	0.000			
Unmitigated Noise								1						
VehicleType Autos:	Leq Peak Hou		70.9	Leq I	Evening 69.2		Night 63	6	Ldn 72		VEL 72.5			
Medium Trucks:	66.	-	65.2		57.5		57		66.	-	66.3			
Heavy Trucks:	69.	-	67.9		58.5		63		70.		70.8			
Vehicle Noise:	75.	-	73.4		69.8		67		75.	-	75.4			
Centerline Distanc	ce to Noise Co	ntour (in feet)											
		,		70	dBA	65 (iBA	(60 dBA	55	dBA			
			Ldn:		143		30	7	662		1,425			
			NEL:		150		32		697		1.501			

	FHWA-RE	0-77-108 HIGH	WAY	NOIS	E PREDI	CTION N	IODEL (9/12/2	021)						
	io: E+P								Logistics (Center					
	e: Foothill Bl.					Job N	umber:	14726							
	nt: w/o Citrus A														
SITE :	SPECIFIC IN	PUT DATA			NOISE MODEL INPUTS Site Conditions (Hard = 10, Soft = 15)										
					Site Co	iuitions									
Average Daily	. ,	26,540 vehicle	es					Autos:							
	Percentage:	10.00%				edium Tr									
	lour Volume:	2,654 vehicles	3		Н	eavy Tru	CKS (3+ A	axies):	15						
	hicle Speed:	55 mph			Vehicle	Mix									
Near/Far La	ne Distance:	90 feet			Vei	hicleType		Day	Evening	Night	Daily				
ite Data						,	Autos:	76.6%	12.8%	10.6%	96.319				
Bai	rrier Height:	0.0 feet			٨	1edium T	rucks:	84.5%	3.6%	11.9%	2.01%				
Barrier Type (0-W	(all, 1-Berm):	0.0				Heavy T	rucks:	76.1%	2.2%	21.7%	1.69%				
Centerline Di	st. to Barrier:	66.0 feet			Noice S	ource El	ovation	c (in f	not)						
Centerline Dist.	to Observer:	66.0 feet			NOISE 3	Auto		000	ei)						
Barrier Distance	to Observer:	0.0 feet			A d = all	Auto ım Truck		297							
Observer Height (Above Pad):	5.0 feet							Crada Ad	iuotmoni					
Pi	ad Elevation:	0.0 feet			неа	vy Truck	S: 8.1	004	Grade Ad	usunem	. 0.0				
Roa	ad Elevation:	0.0 feet			Lane Ed	quivalen	Distanc	e (in	feet)						
	Road Grade:	0.0%				Auto	s: 48.	539							
	Left View:	-90.0 degree	es		Mediu	ım Truck	s: 48.	356							
	Right View:	90.0 degree	es		Hea	vy Truck	s: 48.	374							
HWA Noise Mode	el Calculation:	s													
VehicleType	REMEL	Traffic Flow	Dis	stance	Finite	Road	Fresn	iel .	Barrier Att	en Bei	m Atten				
Autos:	71.78	1.37		0.0	09	-1.20		-4.71	0.0	000	0.000				
Medium Trucks:	82.40	-15.45		0.	11	-1.20		-4.88	0.0	000	0.000				
Heavy Trucks:	86.40	-16.20		0.	11	-1.20		-5.30	0.0	000	0.000				
Inmitigated Noise	Levels (with	out Topo and	barri	er atte	nuation)										
Vehicle Type	Leq Peak Hou	r Leq Day	,	Leq E	ening	Leq	Night		Ldn	С	NEL				
Autos:	72	.0	70.1		68.3	3	62.8	3	71.2	2	71.7				
Medium Trucks:	65	.9	64.3		56.7	7	57.1		65.2	2	65.4				
Heavy Trucks:	69		67.1		57.7	7	62.9)	70.0)	70.				
Vehicle Noise:	74	.5	72.6		69.0) _	66.4		74.2	2	74.6				
Centerline Distanc	ce to Noise Co	ntour (in feet)													
			L	70	dBA		dBA		60 dBA		dBA				
			Ldn:		126		272		585		1,261				
			VEL:		133		286		616		1.328				

Thursday, August 24, 2023

	FHWA-RD	-77-108 HIGH	WAY NO	ISE PF	REDIC	TION M	IODEL	(9/12/2	2021)			
Scenario: C Road Name: F Road Segment: w	oothill Bl. (Name: lumber:		Logistics (Center		
SITE SPE	CIFIC IN	PUT DATA				N	IOISE	MOD	EL INPUT	s		
Highway Data				Site Conditions (Hard = 10, Soft = 15)								
Average Daily Traft	fic (Adt):	32,233 vehicle	S					Autos	: 15			
Peak Hour Perd	centage:	10.00%				dium Tr		/				
Peak Hour		3,223 vehicles			He	avy Tru	cks (3+	Axles)	: 15			
	Speed:	55 mph		Vel	hicle l	Иіх						
Near/Far Lane D	Distance:	90 feet			Veh	icleType		Day	Evening	Night	Daily	
Site Data							Autos:	76.69	6 12.8%	10.6	% 96.28%	
Barrier	Height:	0.0 feet			Me	edium T	rucks:	84.59	6 3.6%	11.9	% 2.01%	
Barrier Type (0-Wall,	1-Berm):	0.0			F	leavy T	rucks:	76.19	6 2.2%	21.7	% 1.71%	
Centerline Dist. to		66.0 feet		No	ise Sc	urce El	evation	s (in i	eet)			
Centerline Dist. to O		66.0 feet				Auto.	s: 0	.000				
Barrier Distance to O		0.0 feet		1	Mediui	m Truck	s: 2	297				
Observer Height (Above Pad): 5.0 feet					Heav	y Truck	s: 8	.004	Grade Ad	iustme	nt: 0.0	
	levation:	0.0 feet		-		•						
	levation:	0.0 feet		Lai	ne Eq	uivalent		_ •	reet)			
	d Grade:	0.0%		Ι.		Auto		.539				
	eft View:	-90.0 degree		1		m Truck	10	.356				
Rig	nt View:	90.0 degree	s		neav	y Truck	S: 48	.374				
FHWA Noise Model Ca	alculations											
	REMEL	Traffic Flow	Distant		Finite		Fres		Barrier Att		erm Atten	
Autos:	71.78	2.21		0.09		-1.20		-4.71		000	0.000	
Medium Trucks:	82.40	-14.59		0.11		-1.20		-4.88		000	0.000	
Heavy Trucks:	86.40	-15.29		0.11		-1.20		-5.30	0.0	000	0.000	
VehicleType Leg	vels (witho Peak Hour			t enua q Ever		100	Night	1	Ldn	1	CNEL	
Autos:	72.		70.9	y LVCI	69.2	204	63.	6	72.0		72.6	
Medium Trucks:	66.		35.2		57.5		57.		66.1		66.2	
Heavy Trucks:	70.		58.0		58.6		63	-	70.9		71.0	
Vehicle Noise:	75.	-	73.4		69.8		67.	-	75.		75.4	
Centerline Distance to	Noise Co	ntour (in feet)										
				70 dB/		65	dBA		60 dBA		55 dBA	
		-	Ldn:		144		310		669		1,441	
	CNEL:				152 327 704				1,517			

FHW	A-RD-7	7-108 HIGH	WAY	NOIS	E PREDIC	CTION M	ODEL	(9/12/2	021)					
Scenario: E Road Name: Foothill Road Segment: e/o Citr		₹-66)			Project Name: Beech Logistics Center Job Number: 14726									
SITE SPECIFIC	INP	JT DATA							L INPUT	s				
Average Daily Traffic (Ad Peak Hour Percentag Peak Hour Volum	e: 10	5,973 vehicle 0.00% 597 vehicles				edium True	ucks (2	Autos Axles)	15					
Vehicle Spee Near/Far Lane Distand		55 mph 90 feet			Vehicle I	Mix icleType		Dav	Evening	Night	Daily			
Site Data Barrier Heigh		0.0 feet			М		Autos: rucks:	76.69 84.59 76.19	6 12.8% 6 3.6%	10.69 11.99 21.79	6 96.33% 6 2.01%			
Barrier Type (0-Wall, 1-Bern Centerline Dist. to Barrie Centerline Dist. to Observe Barrier Distance to Observe Observer Height (Above Pac	er: er: er:	66.0 feet 66.0 feet 0.0 feet 5.0 feet			Noise So	,	evation							
Pad Elevatio Road Elevatio Road Grad Left Vie Right Vie	n: e: (w: -	0.0 feet 0.0 feet 0.0% -90.0 degree 90.0 degree				uivalent Autos m Trucks	s: 48 s: 48	nce (in 3.539 3.356 3.374	feet)					
FHWA Noise Model Calcula	ions													
VehicleType REMEL Autos: 71 Medium Trucks: 82 Heavy Trucks: 86	.78 .40 .40	1.27 -15.53 -16.35		0.0 0.0 0.0	09 11 11	-1.20 -1.20 -1.20	Fres	-4.71 -4.88 -5.30	0.0	en Be 000 000 000	0.000 0.000 0.000 0.000			
Unmitigated Noise Levels (Note: VehicleType Leg Peak		t Topo and I Leg Day			nuation) Evening	Lea	Night		Ldn		NEL			
Autos: Medium Trucks: Heavy Trucks: Vehicle Noise:	71.9 65.8 69.0 74.4	(70.0 64.3 67.0 72.5	LGYL	68.2 56.6 57.6 68.9		62 57 62 66	.0 .8	71. 65. 69.9	1 1 9	71.6 65.3 69.9 74.4			
Centerline Distance to Nois	Cont	our (in feet)												
			Ldn: VEL:	70	dBA 124 130	65 (dBA 26 28	7	60 dBA 575 606		1,239 1,305			

	FHWA-R	D-77-108 HIGH	WAY N	DISE	PREDIC	TION N	IODEL (9/12/2	(021)					
	io: OY ne: Foothill Bl. nt: e/o Citrus /	,					t Name: lumber:		Logistics (Center				
SITE	SPECIFIC II	IPUT DATA				- 1	NOISE I	MODI	L INPUT	s				
Highway Data				Site Conditions (Hard = 10, Soft = 15)										
Average Daily Peak Hour	Traffic (Adt): Percentage:	30,922 vehicle 10.00%	es		Ме	dium Tr	ucks (2)	Autos Axies)						
Peak H	lour Volume:	3,092 vehicles	S		He	avy Tru	cks (3+)	4xles)	: 15					
Ve	hicle Speed:	55 mph		1/	'ehicle l	Miv								
Near/Far La	ne Distance:	90 feet				icleType		Day	Evening	Night	Daily			
Site Data				-	VCII		Autos:	76.69	-	10.6%				
				\exists	M	edium T		84.59		11.9%				
	rrier Height:	0.0 feet 0.0				Heavy T		76.19		21.7%				
Barrier Type (0-W Centerline Dis		0.0 66.0 feet								21 /	1.00%			
Centerline Dist.		66.0 feet		٨	loise Sc		levation	s (in f	eet)					
Barrier Distance		0.0 feet				Auto		000						
Observer Height (5.0 feet			Mediu	m Truck	s: 2.	297						
	ad Elevation:	0.0 feet			Heav	ry Truck	s: 8.	004	Grade Ad	iustmen	t: 0.0			
	ad Elevation:	0.0 feet		,	ane Fa	uivalen	t Distan	ce (in	feet)					
	Road Grade:	0.0 feet		F	uc _q	Auto		539	1000					
,	Left View:	-90.0 degree	00		Mediu	m Truck		356						
	Right View:	90.0 degree				y Truck		374						
FHWA Noise Mode	el Calculation	s												
VehicleType	REMEL	Traffic Flow	Dista	nce	Finite	Road	Fresr	nel	Barrier Att	en Be	rm Atten			
Autos:	71.78	2.03		0.09	1	-1.20		-4.71	0.0	000	0.000			
Medium Trucks:	82.40	-14.77		0.11		-1.20		-4.88	0.0	000	0.000			
Heavy Trucks:	86.40	-15.60		0.11		-1.20		-5.30	0.0	000	0.000			
Unmitigated Noise	Levels (with	out Topo and	barrier a	attenu	ıation)									
VehicleType	Leq Peak Ho			eq Ev	ening	Leq	Night		Ldn		NEL			
Autos:	72	2.7	70.8		69.0		63.4	4	71.8	3	72.4			
Medium Trucks:	66	5.5	65.0		57.3		57.	7	65.9	9	66.1			
Heavy Trucks:			67.7		58.3		63.		70.6		70.7			
Vehicle Noise:	75	5.1	73.2		69.6		67.0)	74.9	9	75.2			
Centerline Distanc	e to Noise C	ontour (in feet)					_						
				70 d		65	dBA		60 dBA		i dBA			
			Ldn:		139		300		646		1,391			
		_	VEL:		147		316		680		1,466			

Scenari	o: E+P					Project			Logistics C	Center				
Road Name	e: Foothill Bl.	(SR-66)			Job Number: 14726									
Road Segmen	t: e/o Citrus /	Av.												
	SPECIFIC IN	IPUT DATA			NOISE MODEL INPUTS									
Highway Data					Site Conditions (Hard = 10, Soft = 15)									
Average Daily	Traffic (Adt):	26,006 vehicl	es					Autos:	15					
Peak Hour	Percentage:	10.00%			Me	dium Tru	icks (2 A	(xles	15					
Peak H	our Volume:	2,601 vehicle	:S		He	avy Truc	ks (3+ A	(xles	15					
Vel	hicle Speed:	55 mph		-	Vehicle	Miss								
Near/Far Lar	ne Distance:	90 feet				icleType		Dav	Evening	Night	Daily			
Site Data							utos:	76.6%	-	10.6%	,			
Rar	rier Height:	0.0 feet			М	edium Tr	ucks:	84.5%	3.6%	11.9%	2.01%			
Barrier Type (0-W	-	0.0				Heavy Tr	ucks:	76.1%	2.2%	21.7%	1.66%			
Centerline Dis	. ,	66.0 feet		L.										
Centerline Dist		66.0 feet		1	Noise S	ource Ele		•	et)					
Barrier Distance t	o Observer:	0.0 feet				Autos		000						
Observer Height (Above Pad):	5.0 feet				m Trucks		297						
	d Flevation:	0.0 feet			Heav	y Trucks	8.0	004	Grade Adj	ustment	0.0			
Roa	d Elevation:	0.0 feet		1	Lane Eq	uivalent	Distanc	e (in f	eet)					
F	Road Grade:	0.0%				Autos	: 48.	539						
	Left View:	-90.0 degre	es		Mediu	m Trucks	: 48.	356						
	Right View:	90.0 degre	es		Hear	y Trucks	: 48.	374						
FHWA Noise Mode	l Calculation	s												
VehicleType	REMEL	Traffic Flow	Di.	stance	Finite	Road	Fresn	el .	Barrier Atte	en Ber	m Atten			
Autos:	71.78	1.28		0.09	9	-1.20		-4.71	0.0	100	0.000			
Medium Trucks:	82.40			0.1	1	-1.20		-4.88	0.0	100	0.000			
Heavy Trucks:	86.40	-16.35		0.1	1	-1.20		-5.30	0.0	100	0.000			
Unmitigated Noise	Levels (with	out Topo and	barri	er atten	uation)									
VehicleType	Leq Peak Ho	ur Leq Da	y	Leg E	vening	Leq I	Vight		Ldn	C	NEL			
Autos:		2.0	70.0		68.2		62.7		71.1		71.6			
Medium Trucks:		5.8	64.3		56.6		57.0		65.1		65.3			
Heavy Trucks:		9.0	67.0		57.6		62.8	3	69.9		69.9			
Vehicle Noise:	74	1.4	72.5		68.9		66.3	3	74.1		74.4			
Centerline Distanc	e to Noise C	ontour (in feet	t)											
			[70 c		65 (6	0 dBA		dBA			
		_	Ldn:		124 131		267 281		575 606		1,239			

Thursday, August 24, 2023

	FHWA-RI	D-77-108 HIGH\	WAY NO	ISE PREDI	CTION M	ODEL	(9/12/2	021)					
Road Na	ario: OY+P nme: Foothill Bl. nent: e/o Citrus /			Project Name: Beech Logistics Center Job Number: 14726									
SITI Highway Data	E SPECIFIC IN	IPUT DATA		NOISE MODEL INPUTS Site Conditions (Hard = 10, Soft = 15)									
Average Dail Peak Hol Peak	ly Traffic (Adt): ur Percentage: Hour Volume: /ehicle Speed:	30,956 vehicle 10.00% 3,096 vehicles 55 mph		М	ledium Tru leavy Truc	ucks (2	Autos. Axles).	15					
Near/Far I	Lane Distance:	90 feet		Ve	hicleType		Day	Evening	Night	Daily			
Site Data Barrier Type (0-	Barrier Height: Wall, 1-Berm):	0.0 feet 0.0		^	Aedium Ti Heavy Tr		76.69 84.59 76.19	6 3.6%	10.6% 11.9% 21.7%	2.01%			
Centerline I	Dist. to Barrier:	66.0 feet		Noise S	Source Ele	evatio	ns (in f	eet)					
Barrier Distand Observer Heigh		66.0 feet 0.0 feet 5.0 feet 0.0 feet		Medi	Autos um Trucks avy Trucks	s: (0.000 2.297 8.004	Grade Ad	iustmen	: 0.0			
F	Road Elevation:	0.0 feet		Lane E	quivalent	Dista	nce (in	feet)					
	Road Grade: Left View: Right View:	0.0% -90.0 degree 90.0 degree			Autos um Trucks avy Trucks	s: 4	8.539 8.356 8.374						
FHWA Noise Mo	del Calculation	s											
VehicleType	REMEL	Traffic Flow	Distanc	e Finit	e Road	Fre	snel	Barrier Att	en Be	m Atten			
Auto	s: 71.78	2.04		0.09	-1.20		-4.71	0.0	000	0.000			
Medium Truck	s: 82.40	-14.77		0.11	-1.20		-4.88	0.0	000	0.000			
Heavy Truck				0.11	-1.20		-5.30	0.0	000	0.000			
Unmitigated Noi													
VehicleType	Leq Peak Hot			q Evening		Night		Ldn		NEL			
Auto:			0.8	69.	-	63		71.8	-	72.4			
Medium Truck			55.0 57.7	57. 58.	-	57 63		65.9 70.6	-	66.1 70.7			
Heavy Truck Vehicle Noise			3.2	69.	-	67		70.6		75.2			
Centerline Dista	nce to Noise C	ontour (in feet)											
		,,		70 dBA	65 (dBA		60 dBA	55	dBA			
		ı	dn:	139)	30	00	646		1,392			
		CA	IEL:	147	,	31	6	680		1,466			

Thursday, August 24, 2023 Thursday, August 24, 2023