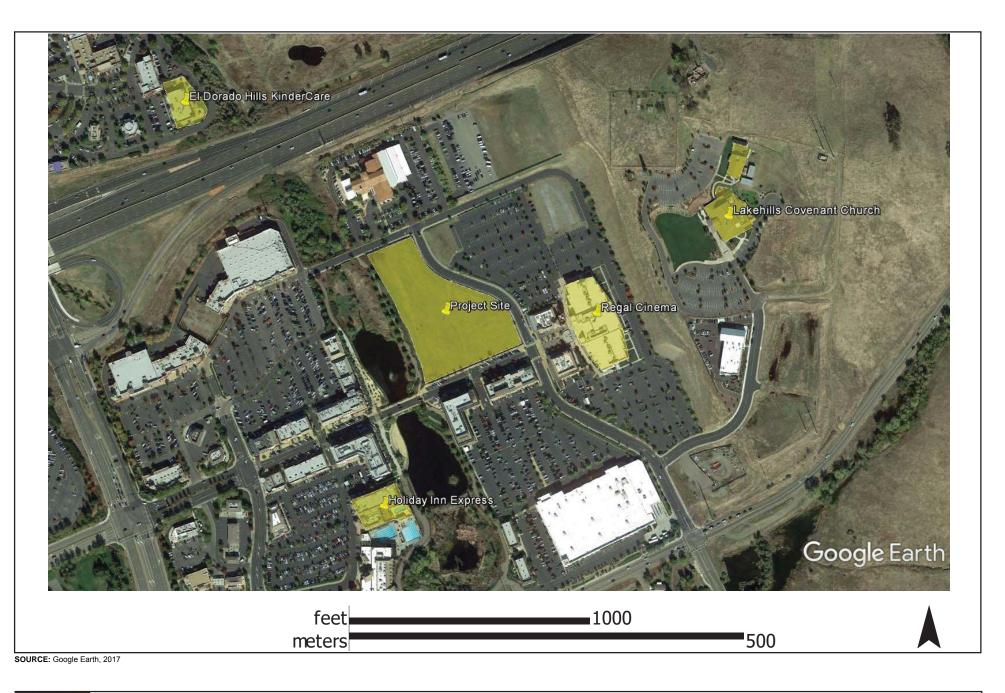
**APPENDIX 4.6** 

Noise Modeling Data



IMPACT SCIENCES

Noise Sensitive Receptors

1269.001•05/17

Report date 5/3/2017 Case Descr El Dorado Hills Site Prep

			Receptor #1 -	
	Baselines	(dBA)		
Descriptior Land Use	Daytime	Evening	Night	
Regal Ciner Residentia	al 51.4	51.4	51.4	

			Equipn	nent			
			Spec	Ac	tual	Receptor	Estimated
	Impact		Lmax	Ln	nax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(d	BA)	(feet)	(dBA)
Dozer	No	40	)		81.7	220	9
Dozer	No	40	)		81.7	220	9
Dozer	No	40	)		81.7	220	9
Tractor	No	40	)	84		220	9
Tractor	No	40	)	84		220	9
Tractor	No	40	)	84		220	9
Tractor	No	40	)	84		220	9

		Results											
	Calculated (dB	A)	Noise L	imits (dBA)					Noise Li	imit Exceeda	nce (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leo	q Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	59.8	55.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	59.8	55.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	59.8	55.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.1	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.1	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.1	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.1	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	62.1	65.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calaulatadu	and the state of t											

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Baselines (dBA) Descriptior Land Use Daytime Evening Night Holiday Inn Residential 51.4 51.4 51.4

		Ed	quipment			
		S	bec	Actual	Receptor	Estimated
	Impact	Lr	nax	Lmax	Distance	Shielding
Description	Device	Usage(%) (d	IBA)	(dBA)	(feet)	(dBA)
Dozer	No	40		81.7	430	6
Dozer	No	40		81.7	430	6
Dozer	No	40		81.7	430	6
Tractor	No	40	84		430	6
Tractor	No	40	84		430	6
Tractor	No	40	84		430	6
Tractor	No	40	84		430	6

		Results											
	Calculated (dB	BA)	Noise Li	mits (dBA)					Noise L	imit Exceeda	ince (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leo	q Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	57	53 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	57	53 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	57	53 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	59.3	55.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	59.3	55.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	59.3	55.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	59.3	55.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	59.3	62.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calculated Lr	nax is the Loudes	t value.										

#### ---- Receptor #3 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night Lakehills CcResidential 51.4 51.4 51.4

			Equipment	t		
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)

Dozer	No	40		81.7	900	18
Dozer	No	40		81.7	900	18
Dozer	No	40		81.7	900	18
Tractor	No	40	84		900	18
Tractor	No	40	84		900	18
Tractor	No	40	84		900	18
Tractor	No	40	84		900	18

		Results											
	Calculated (dB	A)	Noise Li	mits (dBA)					Noise L	imit Exceeda	nce (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leo	q Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	38.6	34.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	38.6	34.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	38.6	34.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	40.9	44.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calculated Ln	nax is the Loudes	t value.										

---- Receptor #4 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night El Dorado I Residential 51.4 51.4 51.4

		Equi	pment			
		Spec	Actu	al Rec	eptor Est	imated
	Impact	Lma	k Lmax	C Dist	tance Shi	elding
Description	Device	Usage(%) (dBA	) (dBA	) (fee	et) (dE	A)
Dozer	No	40		81.7	900	18
Dozer	No	40		81.7	900	18
Dozer	No	40		81.7	900	18
Tractor	No	40	84		900	18
Tractor	No	40	84		900	18
Tractor	No	40	84		900	18
Tractor	No	40	84		900	18

		Results											
	Calculated (dBA	()	Noise L	imits (dBA)					Noise Li	imit Exceeda	ance (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	38.6	34.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	38.6	34.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	38.6	34.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	40.9	44.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	***												

\*Calculated Lmax is the Loudest value.

#### ---- Receptor #5 ----

Baselines (dBA) Descriptior Land Use Daytime Evening Night

Sound Leve Residential 51.4 51.4 51.4

			Equipn	nent				
			Spec		Actual	Receptor	Estimated	ł
	Impact		Lmax		Lmax	Distance	Shielding	
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)	
Dozer	No	40			81.7	50	) (	0
Dozer	No	40			81.7	50	) (	0
Dozer	No	40			81.7	50	) (	0
Tractor	No	40		84		50	) (	0
Tractor	No	40		84		50	) (	0
Tractor	No	40		84		50	) (	0
Tractor	No	40		84		50	) (	0

		Results											
	Calculated (dBA)		Noise Li	mits (dBA)					Noise Li	imit Exceeda	nce (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	81.7 7	7.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	81.7 7	7.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Dozer	81.7	77.7 N/A	N/A										
Tractor	84	80 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84	80 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84	80 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84	80 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	84	87.6 N/A	N/A										

\*Calculated Lmax is the Loudest value.

Report dat 5/3/2017 Case Descr El Dorado Hills Grading

	Receptor	#1	
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Baselines (dBA) Descriptior Land Use Daytime Evening Night Regal Ciner Residential 51.4 51.4 51.4

			Equipn	nent			
			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Excavator	No	40			80.	7 220	) 9
Grader	No	40		85		220	) 9
Dozer	No	40			81.	7 220	) 9
Tractor	No	40		84		220	) 9
Tractor	No	40		84		220	) 9
Tractor	No	40		84		220	) 9

		Results											
	Calculated (dBA	A)	Noise L	imits (dBA)					Noise L	imit Exceeda	ance (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	58.8	54.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	63.1	59.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	59.8	55.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.1	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.1	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.1	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	63.1	65.4 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Coloulated Inc	av is the Louder	t value										

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Baselines (dBA) Descriptior Land Use Daytime Evening Night Holiday Inn Residential 51.4 51.4 51.4

			Equipn	nent			
			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Excavator	No	40	i i i		80.7	430	6
Grader	No	40	1	85		430	6
Dozer	No	40	1		81.7	430	6
Tractor	No	40	1	84		430	6
Tractor	No	40	1	84		430	6
Tractor	No	40	1	84		430	6

		Results											
	Calculated (dBA	.)	Noise L	imits (dBA)					Noise L	imit Exceeda	ince (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	56	52 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	60.3	56.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	57	53 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	59.3	55.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	59.3	55.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	59.3	55.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	60.3	62.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Descriptior Land UseDaytimeEveningNightLakehills Cr Residential51.451.451.4

			Equipn	nent			
			Spec	A	Actual	Receptor	Estimated
	Impact		Lmax	L	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(	(dBA)	(feet)	(dBA)
Excavator	No	40			80.7	900	18
Grader	No	40		85		900	18
Dozer	No	40			81.7	900	18
Tractor	No	40		84		900	18

Tractor	No	40	84	900	18
Tractor	No	40	84	900	18

		Results											
	Calculated (dBA	)	Noise Li	mits (dBA)					Noise Li	imit Exceeda	nce (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	37.6	33.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	41.9	37.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	38.6	34.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	41.9	44.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calculated Lma	ax is the Loudes	t value.										

---- Receptor #4 -----

Baselines (dBA) Descriptior Land Use Daytime Evening Night El Dorado I Residential 51.4 51.4 51.4

			Equipn	nent	t		
			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Excavator	No	40			80.7	900	18
Grader	No	40		85		900	18
Dozer	No	40			81.7	900	18
Tractor	No	40		84		900	18
Tractor	No	40		84		900	18
Tractor	No	40		84		900	18

		Results											
	Calculated (dBA	)	Noise L	imits (dBA)					Noise L	imit Exceeda	nce (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	37.6	33.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	41.9	37.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	38.6	34.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	41.9	44.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	***												

\*Calculated Lmax is the Loudest value.

#### ---- Receptor #5 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night Sound Leve Residential 51.4 51.4 51.4

			Equipn	nent			
			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Excavator	No	40			80.7	50	0
Grader	No	40		85		50	0
Dozer	No	40			81.7	50	0
Tractor	No	40		84		50	0
Tractor	No	40		84		50	0
Tractor	No	40		84		50	0

		Results											
	Calculated (dBA	r)	Noise L	imits (dBA)					Noise L	mit Exceeda	nce (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	80.7	76.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	85	81 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	81.7	77.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84	80 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84	80 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84	80 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85	87.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Report date 5/3/2017 Case Descr El Dorado Hills Building Construction

			Receptor #1	
	Baselines (	dBA)		
Descriptior Land Use	Daytime	Evening	Night	
Regal Ciner Residentia	l 51.4	51.4	51.4	

			Equipr	nent			
			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Crane	No	16	5		80.6	220	9
Man Lift	No	20	)		74.7	220	9
Man Lift	No	20	)		74.7	220	9
Man Lift	No	20	)		74.7	220	9
Generator	No	50	)		80.6	220	9
Tractor	No	40	)	84		220	9
Tractor	No	40	)	84		220	9
Tractor	No	40	)	84		220	9
Welder / Torch	No	40	)		74	220	9

		Results											
	Calculated (dE	A)	Noise L	imits (dBA)					Noise L	imit Exceeda	ance (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Lee	q Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	58.7	50.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	52.8	45.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	52.8	45.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	52.8	45.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	58.8	55.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.1	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.1	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.1	58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	52.1	48.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	62.1	64.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calculated Lr	nav is the Louder	t value										

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Baselines (dBA)

Descriptior Land UseDaytimeEveningNightHoliday Inn Residential51.451.451.4

			Equipme	nt				
			Spec	Actual	Recep	tor	Estimate	d
	Impact		Lmax	Lmax	Distar	ce	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)		(dBA)	
Crane	No	16		8	0.6	430		6
Man Lift	No	20		7	4.7	430		6
Man Lift	No	20		7	4.7	430		6
Man Lift	No	20		7	4.7	430		6
Generator	No	50		8	0.6	430		6
Tractor	No	40	8	34		430		6
Tractor	No	40	8	34		430		6
Tractor	No	40	8	34		430		6
Welder / Torch	No	40			74	430		6

		Results											
	Calculated (dB	A)	Noise L	imits (dBA)					Noise Li	imit Exceeda	nce (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leo	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	55.9	47.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	50	43 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	50	43 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	50	43 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	55.9	52.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	59.3	55.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	59.3	55.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	59.3	55.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	49.3	45.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	59.3	61.4 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*												

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

# Baselines (dBA) Descriptior Land Use Daytime Evening Night Lakehills Cc Residential 51.4 51.4 51.4

			Equipn	nent			
			Spec	A	Actual	Receptor	Estimated
	Impact		Lmax	L	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(	(dBA)	(feet)	(dBA)
Crane	No	16	5		80.6	900	18
Man Lift	No	20	)		74.7	900	18
Man Lift	No	20	)		74.7	900	18
Man Lift	No	20	)		74.7	900	18
Generator	No	50	)		80.6	900	18
Tractor	No	40	)	84		900	18
Tractor	No	40	)	84		900	18
Tractor	No	40	)	84		900	18
Welder / Torch	No	40	)		74	900	18

		Results											
	Calculated (dBA	()	Noise Li	mits (dBA)					Noise Li	mit Exceeda	nce (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	37.4	29.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	31.6	24.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	31.6	24.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	31.6	24.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	37.5	34.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	30.9	26.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	40.9	43 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calculated Lm	ax is the Loudes	t value.										

---- Receptor #4 ----

 Baselines (dBA)

 Descriptior Land Use
 Daytime
 Evening
 Night

 El Dorado I Residential
 51.4
 51.4
 51.4

Description	lmpact Device		Equipm Spec Lmax (dBA)	A L	Actual _max dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Description		Usage(%)	( )	(	. ,	. ,	(- )
Crane	No	16	5		80.6	900	18
Man Lift	No	20	)		74.7	900	18
Man Lift	No	20	)		74.7	900	18
Man Lift	No	20	)		74.7	900	18
Generator	No	50	)		80.6	900	18
Tractor	No	40	)	84		900	18
Tractor	No	40	)	84		900	18
Tractor	No	40	)	84		900	18
Welder / Torch	No	40	)		74	900	18

		Results											
	Calculated (dBA	)	Noise Li	imits (dBA)					Noise Li	mit Exceeda	ance (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	37.4	29.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	31.6	24.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	31.6	24.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	31.6	24.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	37.5	34.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	30.9	26.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	40.9	43 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calculated Lma	ax is the Loudes	t value.										

---- Receptor #5 ----

Baselines (dBA)

Descriptior Land UseDaytimeEveningNightSound Leve Residential51.451.451.4

Equipment

Spec Actual Receptor Estimated

	Impact	Lmax	Lma	х	Distance	Shielding
Description	Device	Usage(%) (dBA)	(dBA	A)	(feet)	(dBA)
Crane	No	16		80.6	50	0
Man Lift	No	20		74.7	50	0
Man Lift	No	20		74.7	50	0
Man Lift	No	20		74.7	50	0
Generator	No	50		80.6	50	0
Tractor	No	40	84		50	0
Tractor	No	40	84		50	0
Tractor	No	40	84		50	0
Welder / Torch	No	40		74	50	0

		Results											
	Calculated (d	BA)	Noise L	mits (dBA)					Noise L	imit Exceeda	ince (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Le	q Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	80.6	72.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	74.7	67.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	74.7	67.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	74.7	67.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	80.6	77.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84	80 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84	80 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84	80 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	74	70 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	84	86.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calculated L	max is the Loudes	t value.										

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Report dat 5/3/2017 Case Descr El Dorado Hills Paving

			Red	ceptor #1	
	Baselines (	dBA)			
Descriptior Land Use	Daytime	Evening	Night		
Regal Ciner Residentia	51.4	51.4	ļ	51.4	

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			Results													
	Calculated	(dBA	)	Noise L	imits (dBA)	mits (dBA)						Noise Limit Exceedance (dBA)				
			Day		Evening		Night		Day		Evening		Night			
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq		
Concrete Mixer Truck	56.9		53 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Concrete Mixer Truck	56.9		53 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Paver	55.4		52.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Paver	55.4		52.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Paver	55.4		52.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Roller	58.1		51.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Roller	58.1		51.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Tractor	62.1		58.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Total	62.1		62.6 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Baselines (dBA)
Descriptior Land Use Daytime Evening Night

Holiday Inr Residential	51.4	51.4	51.4
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			Equipmer	nt			
			Spec	Actual	Receptor	Estimated	
	Impact		Lmax	Lmax	Distance	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)	
Concrete Mixer Truck	No	40		78.8	430	6	
Concrete Mixer Truck	No	40		78.8	430	6	
Paver	No	50		77.2	430	6	
Paver	No	50		77.2	430	6	
Paver	No	50		77.2	430	6	
Roller	No	20		80	430	6	
Roller	No	20		80	430	6	
Tractor	No	40	8	4	430	6	

			Results												
	Calculated (dBA) No			Noise L	Noise Limits (dBA)						Noise Limit Exceedance (dBA)				
			Day		Evening		Night		Day		Evening		Night		
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	
Concrete Mixer Truck	54.1		50.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Concrete Mixer Truck	54.1		50.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Paver	52.5		49.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Paver	52.5		49.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Paver	52.5		49.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Roller	55.3		48.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Roller	55.3		48.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Tractor	59.3		55.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total	59.3		59.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

\*Calculated Lmax is the Loudest value.

# ---- Receptor #3 ----

 Baselines (dBA)

 Descriptior Land Use
 Daytime
 Evening
 Night

 Lakehills Cr Residential
 51.4
 51.4
 51.4

			Equipm	ent			
			Spec	Actua	ıl	Receptor	Estimated
	Impact		Lmax	Lmax		Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)		(feet)	(dBA)
Concrete Mixer Truck	No	40			78.8	900	18
Concrete Mixer Truck	No	40			78.8	900	18
Paver	No	50			77.2	900	18
Paver	No	50			77.2	900	18
Paver	No	50			77.2	900	18
Roller	No	20			80	900	18
Roller	No	20			80	900	18
Tractor	No	40		84		900	18

		Results											
	Calculated (dBA) Noise Limits (dBA)								Noise L	imit Exceeda	nce (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax L	eq Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	35.7	31.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck	35.7	31.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	34.1	31.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	34.1	31.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	34.1	31.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	36.9	29.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	36.9	29.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	40.9	41.4 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night El Dorado I Residential 51.4 51.4 51.4

			Equipme	ent				
			Spec	Actua	ıl	Receptor	Estimated	
	Impact		Lmax	Lmax		Distance	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)		(feet)	(dBA)	
Concrete Mixer Truck	No	40			78.8	900	18	3
Concrete Mixer Truck	No	40			78.8	900	18	3
Paver	No	50			77.2	900	18	3
Paver	No	50			77.2	900	18	3
Paver	No	50			77.2	900	18	3
Roller	No	20			80	900	18	3
Roller	No	20			80	900	18	3
Tractor	No	40		84		900	18	3

		Results											
	Calculated (dBA	A)	Noise L	mits (dBA)		Noise Limit Exceedance (dBA)							
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	35.7	31.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck	35.7	31.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	34.1	31.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	34.1	31.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	34.1	31.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	36.9	29.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	36.9	29.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	40.9	36.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	40.9	41.4 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Coloulated Inc	av is the Levelos	t undure.										

\*Calculated Lmax is the Loudest value.

#### ---- Receptor #5 ----

Baselines (dBA) Descriptior Land Use Daytime Evening Night Sound Leve Residential 51.4 51.4 51.4

	Impact		Equipmen Spec Lmax	t Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Mixer Truck	No	40		78.8	50	0
Concrete Mixer Truck	No	40		78.8	50	0
Paver	No	50		77.2	50	0
Paver	No	50		77.2	50	0
Paver	No	50		77.2	50	0
Roller	No	20		80	50	0

Roller	No	20		80	50	0							
Tractor	No	40	84		50	0							
		Result	s										
				Limits (dBA)				Noise Limit Exceedance (dBA)					
		Day		Evenin	g	Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	78.8	74.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck	78.8	74.8 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	77.2	74.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	77.2	74.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	77.2	74.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	80	73 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	80	73 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84	80 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	84	84.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calculated Lm	ax is the Loud	est value.										

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Report date 5/3/2017 Case Descr El Dorado Hills Architectural Coating

	Baselines (dBA)	Receptor #1							
Descriptior Land Use Regal Ciner Residenti		Night .4 51.4							
Description Compressor (air)	Impact Device Usage(%) No 4	Equipment Spec Actual Lmax Lmax ) (dBA) (dBA) 10 77.	Receptor Estima Distance Shieldin (feet) (dBA) .7 220						
	Calculated (dBA)	Results Noise Lin	aite (dRA)			Noise Limit Exc	roodanco (dRA)		
Equipment Compressor (air) Total	*Lmax Leq 55.8 51.	Day Lmax Leq .8 N/A N/A .8 N/A N/A	Evening Lmax Leq N/A N/A N/A N/A		Day eq Lmax /A N/A /A N/A		ning ax Leq A N/A	N/A	Leq N/A N/A
Descriptior Land Use Holiday Inn Residenti	, 0	Receptor #2 Night .4 51.4							
Description Compressor (air)	Impact Device Usage(%) No 4	Equipment Spec Actual Lmax Lmax ) (dBA) (dBA) IO 77.	Receptor Estima Distance Shieldi (feet) (dBA) .7 430						
Equipment Compressor (air) Total			nits (dBA) Evening Lmax Leq N/A N/A N/A N/A		Day 2q Lmax /A N/A /A N/A	Noise Limit Exc Eve Leq Lma N/A N/A N/A N/A	ning ax Leq A N/A	N/A	Leq N/A N/A
Descriptior Land Use Lakehills C Residenti		Receptor #3 Night .4 51.4							
Description Compressor (air)	Impact Device Usage(%) No 4	Equipment Spec Actual Lmax Lmax ) (dBA) (dBA) 40 77.	Receptor Estima Distance Shieldi (feet) (dBA) 7 900						
	Calculated (dBA)	Results Noise Lim Day	nits (dBA) Evening	Night	Day	Noise Limit Exc Eve	eedance (dBA) ning	Night	
Equipment Compressor (air) Total		Lmax Leq .6 N/A N/A .6 N/A N/A	Lmax Leq N/A N/A N/A N/A	Lmax Le N/A N		Leq Lma N/A N/A N/A N/A	N/A	Lmax N/A	Leq N/A N/A
Descriptior Land Use El Dorado I Residenti		Receptor #4 Night .4 51.4							
Description Compressor (air)	Impact Device Usage(%) No 4	Equipment Spec Actual Lmax Lmax ) (dBA) (dBA) 40 77.	Receptor Estima Distance Shieldin (feet) (dBA) .7 900						
	Calculated (dBA)	Results Noise Lin Day	nits (dBA) Evening	Night	Day	Noise Limit Exc Eve	eedance (dBA) ning	Night	

Compressor (air)	34.6	30.6 N	I/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	34.6	30.6 N	I/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calculate	d Lmax is the	Loudest value.										
			Receptor #5										
	Baselines	(dBA)											
Descriptior Land Use	Daytime	Evening N	light										
Sound Leve Residenti	ial 51.4	51.4	51.4										
		E	quipment										
		S	pec Actual	Recepto	or Estimat	ed							
	Impact	Li	max Lmax	Distanc	e Shieldir	ng							
Description	Device	Usage(%) (d	dBA) (dBA)	(feet)	(dBA)								
Compressor (air)	No	40	7	7.7	50	0							

Lmax

Leq

Lmax

Leq

Lmax

Leq

Lmax

Leq

\*Lmax Leq

Lmax

Leq

Lmax

Leq

Equipment

		Results											
	Calculated (dB/	A)	Noise L	imits (dBA)					Noise L	imit Exceeda	ance (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	77.7	73.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	77.7	73.7 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	*Calculated Lm	ax is the Loudes	t value.										

#### El Dorado Hills Construction Site Preparation Noise - Unmitigated **Reference Noise Distance** 50 Reference Noise Level (RCNM) 87.6 Maximum Existing Construction Distance Attenuation Noise Level Ambient (dBA, New Ambient Sensitive Receptor Factors (feet) (RCNM) Leq) (dBA, Leq) Increase **Regal Cinemas** 220 65.7 51.4 65.9 9 430 Holiday Inn Express 6 62.9 51.4 63.2 Lakehills Covenant Church 900 18 51.4 52.2 44.5 900 18 44.5 51.4 52.2

A 6 dBA attenuation was given for hard ground surfuce, and 3 dBA reduction was given for the first row of buildings intervening between the construction site and sensitive receptors (1.5 dBA for subsequent intervening structures), as recommended by the Caltrans Technical Noise Supplement.

For Regal Cinemas an additional 3 dBA was given for a partial noise barrier (FHWA, RCNM User's Guide, 2006)

El Dorado Hills Kindercare

14.5

11.8

0.8

0.8

El Dorado Hills Construction Reference Noise Distance Reference Noise Level (RCNM)	Grading 50 87.3	Noise - Un	mitigated			
			Maximum	Existing		
	Distance	Attenuation	Construction	Ambient (dBA,	New Ambient	
Sensitive Receptor	(feet)	Factors	Noise Level	Leq)	(dBA, Leq)	Increase
Regal Cinemas	220	9	65.4	51.4	65.6	14.2
Holiday Inn Express	430	6	62.6	51.4	62.9	11.5
Lakehills Covenant Church	900	18	44.2	51.4	52.2	0.8
El Dorado Hills Kindercare	900	18	44.2	51.4	52.2	0.8

A 6 dBA attenuation was given for hard ground surfuce, and 3 dBA reduction was given for the first row of buildings intervening between the construction site and sensitive receptors (1.5 dBA for subsequent intervening structures), as recommended by the Caltrans Technical Noise Supplement.

For Regal Cinemas an additional 3 dBA was given for a partial noise barrier (FHWA, RCNM User's Guide, 2006)

El Dorado Hills Construction Reference Noise Distance	Building 50	g Construct	ion Noise - Un	mitigated		
Reference Noise Level (RCNM)	86.1					
			Maximum			
			Construction	Existing		
	Distance	Attenuation	Noise Level	Ambient (dBA,	New Ambient	
Sensitive Receptor	(feet)	Factors	(RCNM)	Leq)	(dBA, Leq)	Increase
Regal Cinemas	220	9	64.2	51.4	64.5	13.1
Holiday Inn Express	430	6	61.4	51.4	61.8	10.4
Lakehills Covenant Church	900	18	43.0	51.4	52.0	0.6
El Dorado Hills Kindercare	900	18	43.0	51.4	52.0	0.6

A 6 dBA attenuation was given for hard ground surfuce, and 3 dBA reduction was given for the first row of buildings intervening between the construction site and sensitive receptors (1.5 dBA for subsequent intervening structures), as recommended by the Caltrans Technical Noise Supplement.

For Regal Cinemas an additional 3 dBA was given for a partial noise barrier (FHWA, RCNM User's Guide, 2006)

#### El Dorado Hills Construction Paving Noise - Unmitigated **Reference Noise Distance** 50 Reference Noise Level (RCNM) 84.5 Maximum Existing Construction Distance Attenuation Noise Level Ambient (dBA, New Ambient Sensitive Receptor Factors (feet) (RCNM) Leq) (dBA, Leq) Increase **Regal Cinemas** 220 62.6 51.4 62.9 9 430 Holiday Inn Express 6 59.8 51.4 60.4 Lakehills Covenant Church 900 18 51.4 51.8 41.4

A 6 dBA attenuation was given for hard ground surfuce, and 3 dBA reduction was given for the first row of buildings intervening between the construction site and sensitive receptors (1.5 dBA for subsequent intervening structures), as recommended by the Caltrans Technical Noise Supplement.

41.4

51.4

18

For Regal Cinemas an additional 3 dBA was given for a partial noise barrier (FHWA, RCNM User's Guide, 2006)

900

El Dorado Hills Kindercare

11.5

9.0

0.4

0.4

51.8

El Dorado Hills Construction	Architectural Coating
Reference Noise Distance	50

|--|

Reference Noise Level (RCNM)	77.7					
			Maximum			
			Construction	Existing		
		Mitigation	Noise Level	Ambient (dBA,	New Ambient	
Sensitive Receptor	Distance (feet)	Factor	(RCNM)	Leq)	(dBA, Leq)	Increase
Regal Cinemas	220	9	55.8	51.4	57.2	5.8
Holiday Inn Express	430	6	53.0	51.4	55.3	3.9
Lakehills Covenant Church	900	18	34.6	51.4	51.5	0.1
El Dorado Hills Kindercare	900	18	34.6	51.4	51.5	0.1

A 3 dBA reduction was given for mufflers.

A 6 dBA attenuation is included for hard ground surfuce, and 3 dBA reduction is given for the first row of buildings intervening between the construction site and sensitive receptors (1.5 dBA for subsequent intervening structures), as recommended by the Caltrans Technical Noise Supplement.

For Regal Cinemas an additional 3 dBA was given for a partial noise barrier (FHWA, RCNM User's Guide, 2006)

For Lakehills Covenant Church an additional 15 dBA was given for an obstruction that completely breaks the line-of-site with the noise source (Ibid.)

# El Dorado Hills Stationary HVAC Noise

Reference Noise Distance

100

Reference Noise Level	45					
			Maximum			
			Noise	Existing	New	
	Distance	Attenuatio	Level	Ambient	Ambient	
Sensitive Receptor	(feet)	n Factors	(dBA)	(dBA, Leq)	(dBA, Leq)	Increase
Regal Cinemas	220	9	29.2	51.4	51.4	0.0
Holiday Inn Express	430	6	26.3	51.4	51.4	0.0
Lakehills Covenant Church	900	18	7.9	51.4	51.4	0.0
El Dorado Hills Kindercare	900	18	7.9	51.4	51.4	0.0

A 6 dBA attenuation was given for hard ground surfuce, and 3 dBA reduction was given for the first row of buildings intervening between the construction site and sensitive receptors (1.5 dBA for subsequent intervening structures), as recommended by the Caltrans Technical Noise Supplement.

For Regal Cinemas an additional 3 dBA was given for a partial noise barrier (FHWA, RCNM User's Guide, 2006)

For Lakehills Covenant Church an additional 15 dBA was given for an obstruction that completely breaks the line-of-site with the noise source (Ibid.) For El Dorado Hills Kindercare an additional 15 dBA was given for an obstruction that completely breaks the line-of-site with the noise source (Ibid.)

# El Dorado Hills Parking Noise

Reference Noise Distance	50					
Reference Noise Level	70					
Sensitive Receptor	Distance (feet)	Attenuatio		Existing Ambient (dBA_Leg)	New Ambient (dBA, Leq)	Increase
Regal Cinemas	220		48.1	51.4		1 7
Holiday Inn Express	430	-	45.3			1.7
Lakehills Covenant Church	900	18	26.9	51.4	51.4	0.0
El Dorado Hills Kindercare	900	18	26.9		51.4	0.0

A 6 dBA attenuation was given for hard ground surfuce, and 3 dBA reduction was given for the first row of buildings intervening between the construction site and sensitive receptors (1.5 dBA for subsequent intervening structures), as recommended by the Caltrans Technical Noise Supplement.

For Regal Cinemas an additional 3 dBA was given for a partial noise barrier (FHWA, RCNM User's Guide, 2006)

For Lakehills Covenant Church an additional 15 dBA was given for an obstruction that completely breaks the line-of-site with the noise source (Ibid.) For El Dorado Hills Kindercare an additional 15 dBA was given for an obstruction that completely breaks the line-of-site with the noise source (Ibid.)

# El Dorado Hills Cumulative On-Site Operational Noise (HVAC & Parking) Reference Noise Distance -

Reference Noise Level	(Maximum	noise levels	s combined	from HVAC	and Parking	g Worksheet
			Maximum Combined Noise		New	
	Distance	Attenuatio		Existing Ambient	Ambient	
Sensitive Receptor	(feet)	n Factors	(dBA)	(dBA, Leq)	(dBA, Leq)	Increase
Regal Cinemas	220	9	48.2	51.4	53.1	1.7
Holiday Inn Express	430	6	45.4	51.4	52.4	1.0
Lakehills Covenant Church	900	18	26.9	51.4	51.4	0.0
El Dorado Hills Kindercare	900	18	26.9	51.4	51.4	0.0

A 6 dBA attenuation was given for hard ground surfuce, and 3 dBA reduction was given for the first row of buildings intervening between the construction site and sensitive receptors (1.5 dBA for subsequent intervening structures), as recommended by the Caltrans Technical Noise Supplement.

For Regal Cinemas an additional 3 dBA was given for a partial noise barrier (FHWA, RCNM User's Guide, 2006)

For Lakehills Covenant Church an additional 15 dBA was given for an obstruction that completely breaks the line-of-site with the noise source (Ibid.) For El Dorado Hills Kindercare an additional 15 dBA was given for an obstruction that completely breaks the line-of-site with the noise source (Ibid.)

## El Dorado Hills Mobile Noise

Town Center Boulevard         Post Street         East         246         531         97         377         2         8         1         4         25         3885         54.9           Latrobe Road         White Rock Road         South         2188         2117         97         2064         2         43         1         21         45         21275         67.7           Valley View Rkwy         White Rock Road         South         505         563         97         518         2         11         1         5         45         5340         62           Silva Valley Pkwy         US50         North         1147         1409         97         1240         2         26         1         13         45         12780         64.3           VEHICLE TYPE %           K         VIII         Auto         %         MT	2017 Existing Condition	ons													
NAD SEGMENT         # VEIL         Auto         MT         HT         Speed         Add (Avg AM+PM*10)         dBA (from TNO)           Town Center Boulevard         Post Street         East         199         487         97         333         2         7         1         3         225         3430         52.2           Latrobe Road         White Rock Road         South         2125         2103         97         2051         2         42         1         12         45         21140         67.7           White Rock Road         South         496         554         97         1050         2         42         1         12         45         11810         66.6           Villey Wexy         US50         North         1136         1398         97         1229         2         25         1         13         45         12670         63.8           Existing Plus Project         TOT.         VEHICLE TYPE %         VEHICLE TYPE %         4.8         0BA (from TNA)         increase from           Town Center Boulevard         Post Street         South         2138         2117         97         2064         243         1         21         45         21275 <td< th=""><th></th><th></th><th></th><th>TOT</th><th></th><th></th><th>VEI</th><th></th><th>61</th><th></th><th></th><th></th><th></th><th></th><th></th></td<>				TOT			VEI		61						
fmm:         tot:         AM         PM         %         Auto         %         MT         %         Mt         Speed         Adt (Arg AM+PM + 10), allA (from TNM)           Town Center Boulevard         Post Street         Valley View Pkwy         1225         3430         52.2           Latrobe Road         White Rock Road         South         2125         2133         97         2144         21         43         21140         67.7           White Rock Road         South         4496         554         97         509         2         42         1         12         45         21200         68.6           Silva Valley View Wwy         Wite Rock Road         South         4496         554         97         1146         2         24         1         12         45         5250         61.6           Silva Valley Pkwy         UIS50         North         1136         1398         97         1229         2         25         1         13         45         12670         63.8           Existing Plus Project         TOT.         Center Boulevard         Post Street         Add         Mat (from TNM)         for mark (from TNM)         for mark (from TNM)         for mark (from TNM)         f					-		VEH		%0						
Town Center Boulevard         Post Street         Last         199         447         97         333         2         7         1         3         25         3430         52.2           Latrobe Road         White Rock Road         South         2125         2103         97         2051         2         42         1         21         45         1140         67.7           White Rock Road         South         4986         556         97         1146         2         24         1         121         45         1140         66.6           Valley View Pkwy         USS0         North         1136         1566         516         516         525         61.6         516         526         97         1228         2         25         1         13         45         12.670         63.8           VEH         VEHCLE TYPE %         VEHCLE TYPE %           Tort         VEHCLE TYPE %           VEHCLE TYPE %           Tort         VEHCLE TYPE %           Tort         VEHCLE TYPE %           VEHCLE TYPE %           VEHCLE TYPE % <td< th=""><th>ROAD SEGMENT</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>	ROAD SEGMENT														
Latrobe Road         White Rock Road         South         2125         2103         97         2051         2         42         1         21         45         21140         67.7           White Rock Road         Dost Street         Valley View Pkwy         White Rock Road         South         496         554         97         509         2         11         1         5         45         5250         61.6           Silva Valley Pkwy         UISS0         North         1138         1398         97         1228         2         25         1         13         45         12670         63.8           Existing Plus Project         TOT:         VEHICLE TYPE %          Min         HT         Sped         Adt         dBA (from TNM)         herease from           Town Center Boulevard         Post Street         East         246         531         97         377         2         8         1         4         25         3885         54.9           Latrobe Road         White Rock Road         South         2138         2117         97         2064         2         43         1<21         45         12150         67.3           Valle View Pkwy         1072 <th></th>															
White Rock Road         Post Street         Valley View Pkwy         Usso         North         1039         1233         97         1146         2         24         1         12         45         11810         66.6           Silva Valley View Pkwy         USSO         North         1136         1398         97         1229         2         25         1         13         45         12670         63.8           Existing Plus Project         TOT.         VEHICLE TYPE %         MT         MT         Speed         Adt         dBA (from TNM)         Increase from           Town Center Boulevard         Fost: Street         East         246         531         97         377         2         8         1         4         25         3885         54.9           Latrobe Road         White Rock Road         South         2138         97         518         11         1         45         12127         67.7           Valley View Pkwy         USSO         North         1147         1409         97         1240         2         26         1         13         45         12120         67.3           Valley View Pkwy         USSO         North         1147         1409										1					
Valley View Plewy         White Rock Road         South         496         554         97         509         2         11         1         5         45         5230         61.6           Silva Valley Plewy         US50         North         1136         1398         97         1229         2         25         1         13         45         12670         63.8           Existing Plus Project         TOT.         VEHCLE TYPE %         TOT.         VEHCLE TYPE %         TOT.         VEHCLE TYPE %           ROAD SEGMENT         form:         to:         AM         PM         Auto         MT         HT         Speed         Adt         dBA (from TNM)         herease from           Torn Center Boulevard         Post Street         Valley View Plewy         1072         1358         97         1179         2         4         1         2         45         21275         67.7           Valley View Plewy         White Rock Road         South         505         563         97         1179         2         2         1         12         45         12750         67.3           Silva Valley Plewy         White Rock Road         South         505         563         97         117										1					
Silva Valley Pkwy         USS0         North         1136         1398         97         1229         2         25         1         13         45         12670         63.8           Existing Plus Project           TOT.         VEHICLE TYPE %           MI         MII         MIIIII         MI							-			1					
Existing Plus Project           TOT.         VEHILLE TYPE %           ROAD SEGMENT         iv         And         PM         And         MT         %         HT         Speed         Adt         dBA (from TNM)         increase from           Town Center Boulevard         Post Street         East         246         531         97         377         2         8         1         4         25         3885         54.9           Latrobe Road         White Rock Road         South         2138         2117         97         2064         2         43         1         2         4         5         12150         67.3           Valley View Pkwy         White Rock Road         South         505         563         97         518         2         11         1         5         45         5340         62         5349         62         5349         62         5349         62         53         5340         62         5349         62         53         5340         62         5340         62         5349         62         53         5340         62         53         64.3         53         5340         65         55         63										1	-				
TOT.         VEH.LE TYPE %           from:         tor:         AM         PM         Auto         MT         HT         Speed         Adt         GBA (from TNM)         Increase from           Town Center Boulevard         Post Street         East         246         531         97         377         2         8         1         4         25         3805         54.9         1           Latrobe Road         White Rock Road         South         2138         2117         97         2064         2         43         1         21         45         21275         67.7           White Rock Road         South         505         563         97         518         2         11         1         5         45         5340         62           Silva Valley Plewy         US50         North         1147         1409         97         1240         2         26         1         13         45         12780         64.3           Future No Project         TOT.         TOT.         VEHICLE TYPE %         MT         MT         MT         Seed         Adt         dBA (from TNM)           Town Center Boulevard         Post Street         East	Silva Valley Pkwy	US50	North	1136	1398	97	1229	2	25	1	13	45	12670	63.8	
BOAD SEGMENT         # VEH.         Auto         MT         HT         Speed         Add         dBA (from TNM)         Increase from           Town Center Boulevard         Post Street         East         246         531         97         377         2         8         1         4         25         3885         54.9           Latrobe Road         White Rock Road         South         2138         2117         97         2064         2         43         1         21         45         21275         67.7           White Rock Road         South         505         563         97         518         2         11         1         5         45         5340         62           Silva Valley Pkwy         US50         North         1147         1409         97         1240         2         26         1         13         45         12780         64.3           Future No Project           TOT.         VEHICLE TYPE %           Town Center Boulevard         Post Street         East         254         522         97         376         2         8         1         4         25         3880         55           Latrobe R	Existing Plus Project														
from:         to:         AM         PM         %         Auto         %         MT         %         HT         Speed         Adt         dBA (from TNM)         Increase from           Town Center Boulevard         Post Street         East         246         531         97         377         2         8         1         4         25         3885         54.9           Latrobe Road         White Rock Road         South         2138         2117         97         2064         2         43         1         21         45         21275         67.7           White Rock Road         South         505         563         97         518         2         11         1         5         45         5340         62         531         67.3         1240         2         26         1         13         45         12780         64.3           Silva Valley Pkwy         US50         North         1147         1409         97         1240         2         26         1         13         45         12780         64.3           Tor.         Tor.         Tor.         Tor.         Auto         MT         MT         MT         MT         MT <td>DOAD SECMENT</td> <td></td> <td></td> <td></td> <td>-</td> <td>A</td> <td>VEH</td> <td></td> <td>%</td> <td>UT</td> <td></td> <td></td> <td></td> <td></td> <td></td>	DOAD SECMENT				-	A	VEH		%	UT					
Town Center Boulevard         Post Street         East         246         531         97         377         2         8         1         4         25         3885         54.9           Latrobe Road         White Rock Road         South         2138         2117         97         2064         2         43         1         21         45         21275         67.7           Valley View Pkwy         White Rock Road         South         505         563         97         518         2         111         1         5         45         5340         62           Silva Valley Pkwy         US50         North         1147         1409         97         1240         2         26         1         13         45         12780         64.3           VEHL         YUEH         Auto         MT         %         MT         %         MT         Speed         Adt         dBA (from TNM)           Town Center Boulevard         Post Street         East         254         522         97         376         2         8         1         4         25         3880         55           Latrobe Road         White Rock Road         South         3038	KOAD SEGMENT	from:	to:		PM		Auto		MT		НТ	Sneed	Adt	IBA (from TNM)	Increase from Existing
Latrobe Road       White Rock Road       South       2138       2117       97       2064       2       43       1       21       45       21275       67.7         White Rock Road       Post Street       Valley View Pkwy       1072       1358       97       1179       2       24       1       12       45       12150       67.3         Silva Valley Pkwy       White Rock Road       South       505       563       97       518       2       11       1       5       455       5340       62         Silva Valley Pkwy       US50       North       1147       1409       97       1240       2       26       1       13       45       12780       64.3         Future No Project         TOT:       VEHICLE TYPE %         ROAD SEGMENT       # VEH.       Auto       MT       HT       Speed       Adt       dBA (from TNM)         Town Center Boulevard       Post Street       East       254       522       97       376       2       8       1       4       25       3880       55         Latrobe Road       White Rock Road       South       3038       2960       97       2909 <td>Town Center Boulevard</td> <td></td> <td>2.7</td>	Town Center Boulevard														2.7
White Rock Road       Post Street       Valley View Pkwy       Intercess from         Valley View Pkwy       White Rock Road       South       505       553       97       518       2       11       1       5       445       5340       62         Silva Valley Pkwy       US50       North       1147       1409       97       1240       2       26       1       13       45       12780       64.3         Future No Project         TOT.       ************************************							-		-	1					0
Valley View Pkwy       White Rock Road       South       505       563       97       518       2       11       1       5       45       5340       62         Silva Valley Pkwy       US50       North       1147       1409       97       1240       2       26       1       13       45       5340       62         Future No Project         TOT.       VEHICLE TYPE %         Matter       Mit       MT       %       MT       Speed       Adt       dBA (from TNM)         Town Center Boulevard       Post Street       East       254       522       97       376       2       8       1       4       25       3880       55         Latrobe Road       White Rock Road       South       3038       2960       97       2909       2       60       1       30       45       2990       69.1         White Rock Road       South       3038       2960       97       2909       2       60       1       30       45       2990       69.1         Wailey View Pkwy       White Rock Road       South       616       800       97       687       2       14       <										1					0.7
Silva Valley Pkwy       US50       North       1147       1409       97       1240       2       26       1       13       45       12780       64.3         Future No Project         TOT.       VEHICLE TYPE %         MIT       HT       Speed       Adt       dBA (from TM)         TOT.       VEHICLE TYPE %         Town Center Boulevard       Post Street       East       254       522       97       376       2       8       1       4       25       3880       55         Latrobe Road       White Rock Road       South       3038       2960       97       2909       2       60       1       30       45       2990       69.1         White Rock Road       South       616       800       97       687       2       14       1       7       45       7080       68.9       2         VEHI.       Colspan="4">VEHICLE TYPE %         TOT.       VEHICLE TYPE %         TOT.       VEHICLE TYPE %         TOT.       VEHICLE TYPE % <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td>0.4</td></t<>										1					0.4
VEHICLE TYPE %           ROAD SEGMENT         # VEH.         Auto         MT         MT         Speed         Adt         dBA (from TNM)           Town Center Boulevard         Post Street         East         254         522         97         376         2         8         1         4         25         3880         55           Latrobe Road         White Rock Road         South         3038         2960         97         2909         2         60         1         30         45         29990         69.1           White Rock Road         South         3038         2960         97         2909         2         60         1         30         45         29990         69.1           White Rock Road         South         616         800         97         687         2         14         1         7         45         7080         63.2           Silva Valley Pkwy         US50         North         2497         2258         97         2306         2         48         1         24         45         23775         67           Form: to:         TOT.         VEHICLE TYPE %           ROAD SEGMENT										1					0.5
TOT.         VEHICLE TYPE %.           ROAD SEGMENT         # VEH.         Auto         MT         MT         Speed         Adt         dBA (from TNM)           Town Center Boulevard         Post Street         East         254         522         97         376         2         8         1         4         25         3880         55           Latrobe Road         White Rock Road         South         3038         2960         97         2909         2         60         1         30         45         29990         69.1           White Rock Road         South         3038         2960         97         1700         2         35         1         18         45         17530         68.9           Valley View Pkwy         US50         North         2497         2258         97         2306         2         48         1         24         45         23775         67           TOT.         VEHICLE TYPE %.           ROAD SEGMENT         # VEH.         Auto         MT         MT         1         7         45         7080         63.2           TOT.         VEHICLE TYPE %.           ROAD SEGMENT	,	•	•			•		*	•			•	•	•	
ROAD SEGMENT         # VEH.         Auto         MT         HT         Speed         Adt         dBA (from TNM)           Town Center Boulevard         Post Street         East         254         522         97         376         2         8         1         4         25         3880         55           Latrobe Road         White Rock Road         South         3038         2960         97         2909         2         60         1         30         45         29990         69.1           White Rock Road         Post Street         Valley View Pkwy         1613         1894         97         1700         2         35         1         18         45         17530         68.9           Valley View Pkwy         White Rock Road         South         616         800         97         687         2         14         1         7         45         7080         63.2           Silva Valley Pkwy         US50         North         2497         2258         97         2306         2         48         1         24         45         23775         67           TOT.         VEHICLE TYPE %           ROAD SEGMENT         TOT. </td <td>Future No Project</td> <td></td>	Future No Project														
ROAD SEGMENT         # VEH.         Auto         MT         HT         Speed         Adt         dBA (from TNM)           Town Center Boulevard         Post Street         East         254         522         97         376         2         8         1         4         25         3880         55           Latrobe Road         White Rock Road         South         3038         2960         97         2909         2         60         1         30         45         29990         69.1           White Rock Road         Post Street         Valley View Pkwy         1613         1894         97         1700         2         35         1         18         45         17530         68.9           Valley View Pkwy         White Rock Road         South         616         800         97         687         2         14         1         7         45         7080         63.2           Silva Valley Pkwy         US50         North         2497         2258         97         2306         2         48         1         24         45         23775         67           Future Plus Proposed Project           TOT.         VEHICLE TYPE %				TOT			VEH	ICI E TYPE	0k						
from:         to:         AM         PM         %         Auto         %         MT         %         HT         Speed         Adt         dBA (from TNM)           Town Center Boulevard         Post Street         East         254         522         97         376         2         8         1         4         25         3880         55           Latrobe Road         White Rock Road         South         3038         2960         97         2909         2         60         1         30         45         29990         69.1           White Rock Road         Post Street         Valley View Pkwy         1613         1894         97         1700         2         35         1         18         45         17530         68.9           Valley View Pkwy         White Rock Road         South         616         800         97         687         2         14         1         7         45         7080         63.2           Silva Valley Pkwy         US50         North         2497         2258         97         2306         2         48         1         24         45         23775         67            Tor.         VEHIC	ROAD SEGMENT				-	Auto	1211		10	HT					
Latrobe Road       White Rock Road       South       3038       2960       97       2909       2       60       1       30       45       2990       69.1         White Rock Road       Post Street       Valley View Pkwy       1613       1894       97       1700       2       35       1       18       45       17530       68.9         Valley View Pkwy       White Rock Road       South       616       800       97       687       2       14       1       7       45       7080       63.2         Silva Valley Pkwy       US50       North       2497       2258       97       2306       2       48       1       24       45       23775       67         Future Plus Proposed Project         TOT.       VEHICLE TYPE %         ROAD SEGMENT       # VEH.       Auto       MT       HT       Speed       Adt<       dBA (from TNM)       Increase from         Town Center Boulevard       Post Street       East       298       564       97       418       2       9       1       4       25       4310       55.4		from:	to:		PM		Auto		MT		HT	Speed	Adt	IBA (from TNM)	
White Rock Road         Post Street         Valley View Pkwy         1613         1894         97         1700         2         35         1         18         45         17530         68.9           Valley View Pkwy         White Rock Road         South         616         800         97         687         2         14         1         7         45         7080         63.2           Silva Valley Pkwy         US50         North         2497         2258         97         2306         2         48         1         24         45         23775         67           Future Plus Proposed Project           TOT.         VEHICLE TYPE %           ROAD SEGMENT         # VEH.         Auto         MT         HT         Speed         Adt <dba (from="" td="" tnm)<="">         Increase from           Town Center Boulevard         Post Street         East         298         564         97         418         2         9         1         4         25         4310         55.4</dba>	Town Center Boulevard	Post Street	East	254	522	97	376	2	8	1	4	25	3880	55	
Valley View Pkwy         White Rock Road         South         616         800         97         687         2         14         1         7         45         7080         63.2           Silva Valley Pkwy         US50         North         2497         2258         97         2306         2         48         1         24         45         23775         67           Future Plus Proposed Project           TOT.         VEHICLE TYPE %           MIT         HT           from:         to:         AM         PM         %         Auto         %         MT         %         HT         Speed         Adt<	Latrobe Road	White Rock Road	South	3038	2960	97	2909	2	60	1	30	45	29990	69.1	
Silva Valley Pkwy     US50     North     2497     2258     97     2306     2     48     1     24     45     23775     67       Future Plus Proposed Project       TOT.     VEHICLE TYPE %       ROAD SEGMENT     # VEH.     Auto     MT     HT       from:     to:     AM     PM     % Auto     % MT     % HT     Speed     Adt     dBA (from TNM)     Increase from       Town Center Boulevard     Post Street     East     298     564     97     418     2     9     1     4     25     4310     55.4	White Rock Road	Post Street	Valley View Pkwy	1613	1894	97	1700	2	35	1	18	45	17530	68.9	
TOT.     VEHICLE TYPE %       ROAD SEGMENT     # VEH.       from:     to:     Auto     MT     HT       from:     to:     AM     PM     % Auto     % MT     % HT     Speed     Adt     dBA (from TNM)     Increase from       Town Center Boulevard     Post Street     East     298     564     97     418     2     9     1     4     25     4310     55.4	Valley View Pkwy	White Rock Road	South	616	800	97	687	2	14	1	7	45	7080	63.2	
VEHICLE TYPE %           ROAD SEGMENT         # VEH.         Auto         MT         HT           from:         to:         AM         PM         % Auto         % MT         % HT         Speed         Adt         dBA (from TNM)         Increase from           Town Center Boulevard         Post Street         East         298         564         97         418         2         9         1         4         25         4310         55.4	Silva Valley Pkwy	US50	North	2497	2258	97	2306	2	48	1	24	45	23775	67	
VEHICLE TYPE %           ROAD SEGMENT         # VEH.         MI         HT           from:         to:         AM         PM         % Auto         % MT         HT           Town Center Boulevard         Post Street         East         298         564         97         418         2         9         1         4         25         4310         55.4		<b>D</b>													
ROAD SEGMENT         # VEH.         Auto         MT         HT           from:         to:         AM         PM         %         Auto         %         MT         %         HT         Speed         Add         dBA (from TNM)         Increase from           Town Center Boulevard         Post Street         East         298         564         97         418         2         9         1         4         25         4310         55.4	Future Plus Proposed	Project													
ROAD SEGMENT         # VEH.         Auto         MT         HT           from:         to:         AM         PM         % Auto         % MT         % HT         Speed         Add         dBA (from TNM)         Increase from           Town Center Boulevard         Post Street         East         298         564         97         418         2         9         1         4         25         4310         55.4				TOT.			VEH	ICLE TYPE	%						
from:         to:         AM         PM         % Auto         % MT         % HT         Speed         Add         dBA (from TNM)         Increase from           Town Center Boulevard         Post Street         East         298         564         97         418         2         9         1         4         25         4310         55.4	ROAD SEGMENT				-	Auto			,-	HT					
		from:	to:		PM		Auto		MT		HT	Speed	Adt o	IBA (from TNM)	Increase from Base
	Town Center Boulevard	Post Street	East				418	2	9	1	4	25	4310	55.4	0.4
Latrobe Road White Rock Road South 3050 2970 97 2920 2 60 1 30 45 30100 69.2	Latrobe Road	White Rock Road	South	3050	2970	97	2920	2		1	30	45	30100	69.2	0.1
White Rock Road         Post Street         Valley View Pkwy         1644         1924         97         1730         2         36         1         18         45         17835         69	White Rock Road	Post Street	Valley View Pkwy	1644	1924		1730	2	36	1	18	45	17835	69	0.1
Valley View Pkwy         White Rock Road         South         630         810         97         698         2         14         1         7         45         7200         63.3	Valley View Pkwy	White Rock Road	South	630	810	97	698	2	14	1	7	45	7200	63.3	0.1
Silva Valley Pkwy US50 North 2510 2270 97 2318 2 48 1 24 45 23900 67	Silva Valley Pkwy	US50	North	2510	2270	97	2318	2	48	1	24	45	23900	67	0

Traffic mix from 2014 Noise Report (J.C. Brennan & Associates, Inc, Environmental Noise Analysis El Dorado Hills Apartments, 2014), table 4.

Impact Sciences jjerome						/lay-17 12.5 :ulated wi	d with TNM 2.5										
RESULTS: SOUND LEVELS PROJECT/CONTRACT: RUN: BARRIER DESIGN:	6	Existing	do Hills Conditions HEIGHTS			Average pavement type shall be used unless a State highway agency substantiates the use											
ATMOSPHERICS:		68 deg	F, 50% RH					of	of a different type with approval of FHWA.								
Receiver Name	No.	#DUs	Existing Ldn	Ldn	Barrier ulated Crit'n		ease over e culated Crit'i Sub	n Im	With Barrier Type Calculated Noise Reduction Impact Ldn Calculated Goal				Calculated minus Goal				
			dBA	dBA	dBA	dB	dB			dBA	dB	dB	dB	I.			
Town Center from Post Eas Latrobe from White Rock So White Rock from Post to Va Valley View from White Roc Silva Valley from 50 North	outl Iley	1 3 5 6 8	1 1 1 1	0 0 0 0	52.2 67.7 66.6 61.6 63.8	66 66 66 66 66	52.2 67.7 66.6 61.6 63.8		Snd Lvl Snd Lvl	6 6 6	2.2 7.7 6.6 1.6 3.8	0 0 0 0	8 8 8 8 8	-8 -8 -8 -8 -8			
Dwelling Units		# DUs	Noise F Min dB	Reductio Avg dB													
All Selected All Impacted All that meet NR Goal			5 2 0	0 0 0	0 0 0	0 0 0											

Impact Sciences jjerome	ome TNM 2.5																			
RESULTS: SOUND LEVELS PROJECT/CONTRACT: RUN: BARRIER DESIGN:		Existing	do Hills 9 Plus Proje 1 HEIGHTS	ect			Average pavement type shall be used unless a State highway agency substantiates the use													
ATMOSPHERICS:		68 deg	F, 50% RH	ł				of a different type with approval of FHWA.												
Receiver Name	No.	#DUs	Existing Ldn	Ldn	Barrier culated Crit'n		rease over e culated Crith Sub	n Impa	Calc	With Barrier Calculated Noise Reduction Ldn Calculated Goal			Calculated minus Goal							
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	u							
Town Center from Post East Latrobe from White Rock South White Rock from Post to Valley View Valley View from White Rock South Silva Valley from 50 North		1 3 5 6 8	1 1 1 1	0 0 0 0	54.9 67.7 67.3 62 64.3	66 66 66 66	54.9 67.7 67.3 62 64.3	10 10 Snd 10 Snd 10 10		54.9 67.7 67.3 62 64.3	0 0 0 0 0	8 8 8 8	-8 -8 -8 -8							
Dwelling Units		# DUs	Noise Min dB	Reductic Avg dB																
All Selected All Impacted All that meet NR Goal			5 2 0	0 0 0	0 0 0	0 0 0														

Impact Sciences jjerome	8-May-17 TNM 2.5 Calculated with TNM 2.5														
RESULTS: SOUND LEVELS         PROJECT/CONTRACT:       EI Dorado Hills         RUN:       Future No Project         BARRIER DESIGN:       INPUT HEIGHTS         ATMOSPHERICS:       68 deg F. 50% RH										Average p a State hi	pavemen ghway a	gency sub	ll be used un stantiates the val of FHWA	e use	
ATMOSPHERICS: 68 deg F, 50% RH										or a unier	ent type	with applo		۱.	
Receiver Name	No.	. #DUs Existing No Barrier Ldn Ldn Calculated Crit'n				rease over o culated Crit Sul		Type Impact	With Barrier Calculated Noise Reduction Ldn Calculated Goal			Calculated minus Goal			
			dBA	dBA	Ą	dBA	dB	dB			dBA	dB	dB	dB	
Town Center from Post East Latrobe from White Rock South White Rock from Post to Valley View Valley View from White Rock South Silva Valley from 50 North		1 3 5 6 8	1 1 1 1	0 0 0 0	55 69.1 68.9 63.2 67	)	66 66 66 66	55 69.1 68.9 63.2 67	10 10 10	Snd Lvl Snd Lvl Snd Lvl Snd Lvl	e	55 59.1 58.9 53.2 67	0 0 0 0	8 8 8 8	-8 -8 -8 -8 -8
Dwelling Units		# DUs	Noise F Min dB	Reducti Avg dB	g	Max dB									
All Selected All Impacted All that meet NR Goal			5 3 0	0 0 0	( ( (	)	0 0 0								

Impact Sciences 8-May- jjerome TNM 2.5 Calculat										12.5	with TNM	25				
RESULTS: SOUND LEVE PROJECT/CONTRACT: RUN: BARRIER DESIGN:	o Hills lus Project HEIGHTS					Unic	Julatou	ed with TNM 2.5 Average pavement type shall be used unless a State highway agency substantiates the use								
ATMOSPHERICS:	ATMOSPHERICS: 68 deg					F, 50% RH of a different type with approva										
Receiver Name	1			Existing Ldn	ng No Barrier Ldn Calculated Crit'n			Increase over existing Calculated Crit'n Sub'l Inc			Type Impact	With Barrier Calculated Noise Reduction Ldn Calculated Goal			Calculated minus Goal	
				dBA	dBA	dE	BA	dB	dB			dBA	dB	dB	dB	
Town Center from Post E Latrobe from White Rock White Rock from Post to Valley View from White F Silva Valley from 50 Nort	South Valley View Rock South	1 3 5 6 8		1 1 1 1	0 0 0 0	55.4 69.2 69 63.3 67		66 66 66 66 66	55.4 69.2 69 63.3 67	10 10 10	Snd Lvl Snd Lvl Snd Lvl Snd Lvl	63	.2 39	0 0 0 0	8 8 8 8	-8 -8 -8 -8 -8
Dwelling Units			# DUs	Noise F Min dB	Reduction Avg dB		lax B									
All Selected All Impacted All that meet NR Goal				5 3 0	0 0 0	0 0 0		0 0 0								