



Report dat 5/3/2017

Case Descr El Dorado Hills Site Prep

---- Receptor #1 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night
Regal Ciner Residential 51.4 51.4 51.4

pment

			Spec	A	Actual	Receptor	Estimated
	Impact		Lmax	L	.max	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(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 (dBA)			Noise Limits (dBA)					Noise L	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
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

*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

Equipment

	Impact	(0()	Spec Lmax	Actu Lma	x	Receptor Distance	Estimated Shielding	
Description	Device	Usage(%)	(dBA)	(dBA	١)	(feet)	(dBA)	
Dozer	No	40	1		81.7	430	6	
Dozer	No	40	1		81.7	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	
Tractor	No	40	1	84		430	6	

Resul	ts

	Calculated (dB.	Noise L	Noise Limits (dBA)					Noise Limit Exceedance (dBA)					
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Led	l 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 Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night
Lakehills Cr Residential 51.4 51.4 51.4

Equipment

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

Dozer	No 4	40	83	1.7	900	18							
Dozer	No 4	40	83	1.7	900	18							
Dozer	No 4	40	83	1.7	900	18							
Tractor	No 4	40	84		900	18							
Tractor		40	84		900	18							
Tractor		40	84		900	18							
Tractor	No 4	40	84		900	18							
		Darrella	_										
	Calculated (dBA)	Result		mits (dBA	١				Noise Lir	nit Exceedar	oco (dBA)		
	Calculated (UDA)	Day	NOISE LI	Evenir		Night		Day	INOISE LII	Evening	ice (ubA)	Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer		.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		.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		.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		.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 Loud	est value.										
		Ro	ceptor #4										
	Baselines (dBA)	i.c											
Descriptior Land Use	, ,	Night											
El Dorado I Resident	ial 51.4 51		51.4										
		Equip		D									
	Impact	Spec Lmax	Actual Lmax	Recep Distan									
Description	Device Usage(%		(dBA)	(feet)	(dBA)	III g							
Dozer		40		1.7	900	18							
Dozer		40		1.7	900	18							
Dozer	No 4	40	83	1.7	900	18							
Tractor	No 4	40	84		900	18							
Tractor	No 4	40	84		900	18							
Tractor	No 4	40	84		900	18							
Tractor	No 4	40	84		900	18							
Tractor	No 4				900								
Tractor		40 Result	s	mits (dBA					Noise Lir	nit Exceedar	nce (dBA)		
Tractor	No A		s	mits (dBA Evenir)			Day	Noise Lir	nit Exceedar Evening	nce (dBA)	Night	
Tractor Equipment		Result	s)	18	Leq	Day Lmax	Noise Lir Leq		nce (dBA) Leq	Night Lmax	Leq
	Calculated (dBA) *Lmax Leq	Result Day	s Noise Li	Evenir) ng	18 Night	Leq N/A			Evening		-	Leq N/A
Equipment Dozer Dozer	*Lmax Leq 38.6 34 38.6 34	Result Day Lmax .6 N/A .6 N/A	s Noise Li Leq N/A N/A	Evenir Lmax N/A N/A) ng Leq N/A N/A	Night Lmax N/A N/A	N/A N/A	Lmax N/A N/A	Leq N/A N/A	Evening Lmax N/A N/A	Leq N/A N/A	Lmax N/A N/A	N/A N/A
Equipment Dozer Dozer Dozer	*Lmax Leq 38.6 34 38.6 34	Result Day Lmax .6 N/A .6 N/A	S Noise Li Leq N/A N/A N/A	Evenir Lmax N/A N/A N/A	leq N/A N/A N/A	Night Lmax N/A N/A N/A	N/A N/A N/A	Lmax N/A N/A N/A	Leq N/A N/A N/A	Evening Lmax N/A N/A N/A	Leq N/A N/A N/A	Lmax N/A N/A N/A	N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor	*Lmax Leq 38.6 34 38.6 34 40.9 36	Day Lmax .6 N/A .6 N/A .6 N/A	Noise Li Leq N/A N/A N/A N/A	Evenir Lmax N/A N/A N/A) ng Leq N/A N/A N/A	Night Lmax N/A N/A N/A N/A	N/A N/A N/A N/A	Lmax N/A N/A N/A N/A	Leq N/A N/A N/A	Evening Lmax N/A N/A N/A N/A	Leq N/A N/A N/A	Lmax N/A N/A N/A N/A	N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36	Day Lmax .6 N/A .6 N/A .6 N/A .9 N/A	Noise Li Leq N/A N/A N/A N/A N/A	Evenir Lmax N/A N/A N/A N/A) ng Leq N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A	N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A	Leq N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A	Leq N/A N/A N/A N/A	Lmax N/A N/A N/A N/A	N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36	Day Lmax .6 N/A .6 N/A .6 N/A .9 N/A .9 N/A	Noise Li Leq N/A N/A N/A N/A N/A	Evenir Lmax N/A N/A N/A N/A N/A) ng Leq N/A N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36	Result Day Lmax .6 N/A .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A N/A N/A	Evenir Lmax N/A N/A N/A N/A N/A N/A) ng Leq N/A N/A N/A N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 36	Result Day Lmax .6 N/A .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A .9 N/A .9 N/A	S Noise Li Leq N/A	Evenir Lmax N/A N/A N/A N/A N/A) ng Leq N/A N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 36 40.9 36	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A .9 N/A .10 N/A	Noise Li Leq N/A	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A) ng Leq N/A N/A N/A N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A .9 N/A .10 N/A	S Noise Li Leq N/A	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A) ng Leq N/A N/A N/A N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud	Noise Li Leq N/A	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A) ng Leq N/A N/A N/A N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A N/A N/A cest value.	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A) ng Leq N/A N/A N/A N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA)	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night	Noise Li Leq N/A	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A) ng Leq N/A N/A N/A N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A N/A Coptor #5	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A) ng Leq N/A N/A N/A N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total	*Lmax Leq 38.6 34 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is *Baselines (dBA) Daytime Evening ial 51.4 51	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night .4	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A N/A Strain	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 40 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night .4 Equipr Spec Lmax	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A N/A Sest value. Ceptor #5 51.4 ment Actual Lmax	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A	Night Lmax N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(%	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .5 N/A The Loud Re Night .4 Equipn Spec Lmax) (dBA)	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A N/A Sest value. Ceptor #5 51.4 ment Actual Lmax (dBA)	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A (Feep)	Leq N/A N/A N/A N/A N/A N/A N/A N/A N/A	Night Lmax N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident Description Dozer	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(%	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night .4 Equipr Spec Lmax) (dBA)	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A Sest value. ceptor #5 51.4 ment Actual Lmax (dBA) 83	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A N/A N/A Stor Estima ce Shield (dBA)	Night Lmax N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident Description Dozer Dozer	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(% No 44 No 44	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A .7 N/A .7 N/A .8 N/A .8 N/A .8 N/A .8 N/A .9 N/A .9 N/A .1 N/A .1 N/A .1 N/A .1 Equipr Spec Lmax .1 (dBA) .1 (dBA)	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A Sest value. ceptor #5 51.4 ment Actual Lmax (dBA) 83	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A N/A Stor Estima ce Shield (dBA)	Night Lmax N/A N/A N/A N/A N/A N/A N/A N/A O N/A N/A O O O	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident Description Dozer Dozer Dozer	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(% No 44 No 44	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night 4 Equipr Spec Lmax) (dBA) 40 40 40	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A St value. Ceptor #5 51.4 ment Actual Lmax (dBA) 83	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A N/A Stor Estim. ce Shield (dBA)	Night Lmax N/A N/A N/A N/A N/A N/A N/A N/A O N/A O O O O	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident Description Dozer Dozer Dozer Tractor	*Lmax Leq 38.6 34 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(% No 4 No 4 No 4 No 4 No 4 No 4	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A .7 N/A .7 N/A .8 N/A .8 N/A .8 N/A .8 N/A .9 N/A .9 N/A .1 N/A .1 N/A .1 N/A .1 Equipr Spec Lmax .1 (dBA) .1 (dBA)	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A St value. ceptor #5 51.4 ment Actual Lmax (dBA) 83 84	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A N/A Stor Estima ce Shield (dBA)	Night Lmax N/A N/A N/A N/A N/A N/A N/A N/A O N/A O O O O O	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident Description Dozer Dozer Dozer	*Lmax Leq 38.6 34 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(% No 4	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night .4 Equipr Spec Lmax) (dBA) 40 40 40	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A St value. Ceptor #5 51.4 ment Actual Lmax (dBA) 83	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A N/A N/A Store Estima ce Shield (dBA) 50 50 50	Night Lmax N/A N/A N/A N/A N/A N/A N/A N/A O N/A O O O O	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total Description Land Use Sound Leve Resident Description Dozer Dozer Dozer Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(% No	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night .4 Equipr Spec Lmax) (dBA) 40 40 40 40 40	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A N/A Sest value. Ceptor #5 51.4 ment Actual Lmax (dBA) 83 84 84	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A	tor Estimace Shield (dBA) 50 50 50 50 50 50	Night Lmax N/A N/A N/A N/A N/A N/A N/A O N/A N/A O O O O O O O	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident Description Dozer Dozer Dozer Tractor Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(% No	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night .4 Equipm Spec Lmax) (dBA) 40 40 40 40 40	S Noise Li Leq N/A N/A N/A N/A N/A N/A N/A Sest value. ceptor #5 51.4 ment Actual Lmax (dBA) 83 84 84 84 84	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A	tor Estimace Shield (dBA) 50 50 50 50 50 50	Night Lmax N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident Description Dozer Dozer Dozer Tractor Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(% NO NO NO NO NO NO NO NO NO N	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night .4 Equipr Spec Lmax) (dBA) 40 40 40 40 40 40	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A Sest value. ceptor #5 51.4 ment Actual Lmax (dBA) 83 84 84 84 84	Recep Distan (feet)	tor Estimace Shield (dBA) 50 50 50 50 50 50	Night Lmax N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident Description Dozer Dozer Dozer Tractor Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(% No	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A .1 N/A .1 N/A .1 N/A .1 N/A .2 N/A .3 N/A .4 Equipr Spec Lmax .1 (dBA) .4 (dBA)	Noise Li Leq N/A N/A N/A N/A N/A N/A N/A Sest value. ceptor #5 51.4 ment Actual Lmax (dBA) 83 84 84 84 84	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	tor Estimace Shield (dBA) 50 50 50 50 50 50	Night Lmax N/A N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O	N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident Description Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is *Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(% No 4	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .5 N/A the Loud Re Night .4 Equipr Spec Lmax) (dBA) 40 40 40 40 Result Day	S Noise Li Leq N/A N/A N/A N/A N/A N/A N/A St value. Ceptor #5 51.4 ment Actual Lmax (dBA) 8: 8: 84 84 84 84 85 Noise Li	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	tor Estimace Shield (dBA) 50 50 50 50 50 50 50 50 50 50 50 50 50	Night Lmax N/A N/A N/A N/A N/A N/A N/A N/A O N/A	N/A N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A Evening	Leq N/A N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident Description Dozer Dozer Dozer Tractor Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(% NO 4	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A .1 N/A .1 N/A .1 N/A .1 N/A .2 N/A .3 N/A .4 Equipr Spec Lmax .1 (dBA) .4 (dBA)	S Noise Li Leq N/A N/A N/A N/A N/A N/A N/A Sest value. Ceptor #5 51.4 ment Actual Lmax (dBA) 83 84 84 84 84 84 85 Noise Li Leq	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	tor Estimace Shield (dBA) 50 50 50 50 50 50 50 68 Leq N/A	Night Lmax N/A	N/A N/A N/A N/A N/A N/A	Lmax N/A	Leq N/A N/A N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A LMA N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A N/A	Lmax N/A	N/A N/A N/A N/A N/A N/A
Equipment Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Total Descriptior Land Use Sound Leve Resident Description Dozer Dozer Dozer Tractor Tractor Tractor Tractor Tractor Tractor Tractor Tractor Tractor	*Lmax Leq 38.6 34 38.6 34 38.6 34 40.9 36 40.9 36 40.9 36 40.9 44 *Calculated Lmax is Baselines (dBA) Daytime Evening ial 51.4 51 Impact Device Usage(% NO NO NO NO Calculated (dBA) *Lmax Leq 81.7 77	Result Day Lmax .6 N/A .6 N/A .9 N/A .9 N/A .9 N/A .9 N/A the Loud Re Night .4 Equipr Spec Lmax) (dBA) 40 40 40 40 Result Day Lmax	S Noise Li Leq N/A N/A N/A N/A N/A N/A N/A St value. Ceptor #5 51.4 ment Actual Lmax (dBA) 8: 8: 84 84 84 84 85 Noise Li	Evenir Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	tor Estimace Shield (dBA) 50 50 50 50 50 50 50 50 50 50 50 50 50	Night Lmax N/A N/A N/A N/A N/A N/A N/A N/A O N/A	N/A N/A N/A N/A N/A N/A N/A	Lmax N/A N/A N/A N/A N/A N/A N/A	Leq N/A N/A N/A N/A N/A N/A N/A	Evening Lmax N/A N/A N/A N/A N/A N/A N/A N/A N/A Evening	Leq N/A N/A N/A N/A N/A N/A N/A	Lmax N/A 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
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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		*Calculated Lr	max is the Loude	st value.										

Roadway Construction Noise Model (RCNM), Version 1.1

Report dat 5/3/2017

Case Descr El Dorado Hills Grading

---- Receptor #1 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night Regal Ciner Residential 51.4 51.4 51.4

	ment

	Impact		Spec Lmax	Actua Lmax	I	Receptor Distance	Estimated 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)			Noise Limits (dBA)				Noise Li	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
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
	*Calculated Lm	ax is the Loudes	t value.										

---- Receptor #2 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night Holiday Inr Residential 51.4 51.4 51.4

	Impact	(4)	Equipm Spec Lmax		Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Excavator	No	40			80.	7 430	6
Grader	No	40		85		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

Results

		11000100											
	, ,		Noise Li	Noise Limits (dBA)					Noise Li	mit 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 Lma	ax is the Loudes	t value.										

---- Receptor #3 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night Lakehills Cc Residential 51.4 51.4 51.4

Equipment

			Lquipiii	iciic			
			Spec	Ac	tual	Receptor	Estimated
	Impact		Lmax	Lm	nax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(d	BA)	(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	9	900	18							
	Calandata d (dB	Results		:+- (-IDA)					NI-i I		(-IDA)		
	Calculated (dB	•	Noise Lir	mits (dBA)		Night		Day	Noise L	imit Exceeda	nce (dBA)	Night	
Equipment	*Lmax Leg	Day	Log	Evening Lmax	-	Night	Log	Day	Log	Evening Lmax	Log	Night Lmax	Log
Excavator	37.6	1 Lmax 33.6 N/A	Leq N/A	N/A	Leq N/A	Lmax N/A	Leq N/A	Lmax N/A	Leq N/A	N/A	Leq N/A	N/A	Leq 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 Lm	nax is the Loude	st value.										
			eptor #4										
	Baselines (dBA												
Descriptior Land Use													
El Dorado I Residenti	al 51.4	51.4	1.4										
		Facilian											
		Equipm Spec	Actual	Recepto	or Estimat	tod							
	Impact	Lmax	Lmax	Distanc									
Description		age(%) (dBA)	(dBA)	(feet)	(dBA)	ъ							
Excavator	No No	40	(UDA) 80		900	18							
Grader	No	40	85		900	18							
Dozer	No	40	81		900	18							
Tractor	No	40	84		900	18							
Tractor	No	40	84	9	900	18							
Tractor	No	40	84	9	900	18							
		Results											
	Calculated (dB	•	Noise Lir	nits (dBA)					Noise L	imit Exceeda	nce (dBA)		
	*	Day		Evening	-	Night		Day		Evening		Night	
Equipment	*Lmax Leq		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 Dozer	41.9 38.6	37.9 N/A 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 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 Lm	nax is the Loude											
			eptor #5										
December 1 and 11a	Baselines (dBA												
Descriptior Land Use Sound Leve Residenti		ening Night 51.4 5	1.4										
Journa Leve Nesideriti	ai 31.4	31.4	1.7										
		Equipm	ent										
		Spec	Actual	Recepto	or Estimat	ted							
	Impact	Lmax	Lmax	Distanc	e Shieldir	ng							
Description	Device Usa	age(%) (dBA)	(dBA)	(feet)	(dBA)								
Excavator	No	40	80	1.7	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 (dB			nits (dBA)					Noise L	imit Exceeda	nce (dBA)		
		Day		Evening	Ţ.	Night		Day		Evening	(,	Night	
Equipment	*Lmax Leq		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 Lm	nax is the Loude	st value.										

Report dat 5/3/2017

Case Descr El Dorado Hills Building Construction

---- Receptor #1 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night
Regal Ciner Residential 51.4 51.4 51.4

Equipment

			-4a.b.				
			Spec	A	Actual	Receptor	Estimated
	Impact		Lmax	L	.max	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Crane	No	16	i		80.6	220	9
Man Lift	No	20	1		74.7	220	9
Man Lift	No	20	1		74.7	220	9
Man Lift	No	20	1		74.7	220	9
Generator	No	50	1		80.6	220	9
Tractor	No	40	1	84		220	9
Tractor	No	40	1	84		220	9
Tractor	No	40	1	84		220	9
Welder / Torch	No	40	1		74	220	9

		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
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 Lmax is the Loudest value.

---- Receptor #2 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night
Holiday Inr Residential 51.4 51.4 51.4

Equipment

			Equipn	nent			
			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Crane	No	16	i		80.6	430	6
Man Lift	No	20	1		74.7	430	6
Man Lift	No	20	1		74.7	430	6
Man Lift	No	20	1		74.7	430	6
Generator	No	50	1		80.6	430	6
Tractor	No	40	1	84		430	6
Tractor	No	40	1	84		430	6
Tractor	No	40	1	84		430	6
Welder / Torch	No	40	1		74	430	6

		Results											
	Calculated (dB	A)	Noise Li	mits (dBA)					Noise Li	mit Exceeda	nce (dBA)		
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Led	q 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 Ln	nax is the Loudes	t value.										

⁻⁻⁻⁻ Receptor #3 ----

Baselines (dBA)
Descriptior Land Use Daytime Evening Night

Lakehills Cc Residential 51.4 51.4 51.4

Equipment

			Spec	Α	ctual	Receptor	Estimated
	Impact		Lmax	Li	max	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(0	dBA)	(feet)	(dBA)
Crane	No	16			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 Limits (dBA)				Noise Limit Exceedance (d			ince (dBA)	(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

Equipment

			Spec	Actu		Receptor	Estimated	
	Impact		Lmax	Lmax	(Distance	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)	
Crane	No	16	;		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	

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		Results											
	Calculated (dBA	A)	Noise L	imits (dBA)					Noise L	mit Exceeda	ince (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 Lmax is the Loudest value.

---- Receptor #5 ----

Baselines (dBA)

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

Equipment

Spec Actual Receptor Estimated

	Impact		Lmax	Lmax		Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(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 (dBA)	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
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

Report dat 5/3/2017

Case Descr El Dorado Hills Paving

---- Receptor #1 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night
Regal Ciner Residential 51.4 51.4 51.4

Equipment

			Spec	Actual	Recept	or	Estimated	
	Impact		Lmax	Lmax	Distanc	e	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)		(dBA)	
Concrete Mixer Truck	No	40		78	.8	220	9	
Concrete Mixer Truck	No	40		78	.8	220	9	
Paver	No	50		77	.2	220	9	
Paver	No	50		77	.2	220	9	
Paver	No	50		77	.2	220	9	
Roller	No	20		:	30	220	9	
Roller	No	20		:	30	220	9	
Tractor	No	40		84		220	9	

Results

	Calculated (dBA)	Noise L	Noise Limits (dBA)					Noise Limit Exceedance (dBA)				
		Day		Evening		Night		Day	Day			Night	
Equipment	*Lmax I	_eq 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

Equipment

			Spec	Actu	al	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		84		430	6

light
max Leq
I/A N/A
1 1 1

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Descriptior Land Use Daytime Evening Night
Lakehills C Residential 51.4 51.4 51.4

			Equipm	ent			
			Spec	Actua	al	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 Limit Exceedance (dBA) Day Evening Night Day Evening Night Lmax Equipment *Lmax Leg Leq Lmax Leg Lmax Leq Lmax Leg Lmax Leg Lmax Leq N/A Concrete Mixer Truck 35.7 31.7 N/A Concrete Mixer Truck 35.7 31.7 N/A 34.1 31.1 N/A Paver N/A 34 1 31 1 N/A Paver Paver 34.1 31.1 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

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

41.4 N/A *Calculated Lmax is the Loudest value.

29.9 N/A

36.9 N/A

---- Receptor #4 ----

N/A

N/A

N/A

N/A

N/A

N/A

Baselines (dBA)

36.9

40.9

40.9

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

Roller

Tractor

Total

Equipment

			-9a.p				
			Spec	Actual	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		8	0 900	18	
Roller	No	20		8	0 900	18	
Tractor	No	40		84	900	18	

Results Calculated (dBA) Noise Limits (dBA) Noise Limit Exceedance (dBA) Day Evening Night Day Evening Night Equipment *Lmax Lea Lmax Leg Lmax Leg Lmax Lea Lmax Lmax Lmax Leq Leg Leg Concrete Mixer Truck 35.7 31.7 N/A Concrete Mixer Truck 35.7 31.7 N/A Paver 34.1 31.1 N/A 34.1 N/A N/A N/A N/A N/A N/A N/A N/A Paver 31.1 N/A N/A Paver 34.1 31.1 N/A Roller 36.9 29.9 N/A Roller 36.9 29.9 N/A Tractor 40.9 36.9 N/A 41.4 N/A N/A 40.9 N/A Total

---- Receptor #5 ----

Baselines (dBA)

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

Equipment

			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	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

*Calculated Lmax is the Loudest value.

Roller Tractor	No No	20 40	84	80	50 50	0							
Tractor	NO	40	04		30	O							
		Result	s										
	Calculated (dB	A)	Noise L	imits (dBA)					Noise L	imit Exceeda	ince (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	nax is the Loud	est value.										

Roadway Construction Noise Model (RCNM), Version 1.1 Report dat 5/3/2017 Case Descr El Dorado Hills Architectural Coating ---- Receptor #1 ----Baselines (dBA) Descriptior Land Use Daytime Evening Night Regal Ciner Residential 51.4 51.4 Equipment Actual Receptor Estimated Spec Impact Lmax Lmax Distance Shielding Description Device Usage(%) (dBA) (dBA) (feet) (dBA) 77.7 220 Compressor (air) No 40 Results Calculated (dBA) 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 55.8 51.8 N/A Compressor (air) N/A N/A Total 55.8 51.8 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 Equipment Actual Receptor Estimated Spec Impact Lmax Lmax Distance Shielding Description Device Usage(%) (dBA) (dBA) (feet) (dBA) Compressor (air) 40 77.7 430 No Results Calculated (dBA) 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 53 49 N/A Compressor (air) Total 53 49 N/A *Calculated Lmax is the Loudest value. ---- Receptor #3 ----Baselines (dBA) Descriptior Land Use Daytime Evening Night Lakehills Cc Residential Equipment Spec Actual Receptor Estimated Shielding Impact Lmax Lmax Distance Description Device Usage(%) (dBA) (dBA) (feet) (dBA) Compressor (air) No 40 77.7 900 Results Calculated (dBA) Noise Limits (dBA) Noise Limit Exceedance (dBA) Day Evening Night Day Evening Night Equipment *Lmax Leq Lmax Leq Leq Lmax Leq Lmax Leq Lmax Leq Lmax Leq 30.6 N/A N/A N/A N/A N/A N/A N/A N/A N/A Compressor (air) 34.6 N/A N/A N/A Total 34.6 30.6 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 Equipment Spec Actual Receptor Estimated Shielding Distance Impact Lmax Lmax Description Device Usage(%) (dBA) (dBA) (feet) (dBA) Compressor (air) No 40 77.7 900

Results

Day

Noise Limits (dBA)

Evening

Night

Day

Calculated (dBA)

Night

Noise Limit Exceedance (dBA)

Evening

Equipment Compressor (air)	*Lmax Leq 34.6	Lmax 30.6 N/A	Leq N/A	Lmax N/A	Leq N/A								
Total	34.6	30.6 N/A	N/A	N/A	N/A								
		ax is the Loudes	•	,	,	,	,	,	,	,	,	,	,
		Rece	ptor #5										
	Baselines (dBA)											
Descriptior Land Use	•	ning Night											
Sound Leve Residenti	al 51.4	51.4 51	.4										
		Equipme	n+										
				Doconton	Cotimosto	a d							
		Spec	Actual	Receptor									
	Impact	Lmax	Lmax	Distance	Shieldin	g							
Description		ge(%) (dBA)	(dBA)	(feet)	(dBA)								
Compressor (air)	No	40	77	.7 5	0	0							
		Results											
	Calculated (dB/		Noise Lin	nits (dBA)					Noise Li	mit Exceeda	ince (dRA)		
	Calculated (ab)	Day	NOISC LIII	Evening		Night		Day	INOISC LI	Evening	. ,	Night	
Equipment	*Lmax Leg	•	Leq	Lmax	Leq								
Compressor (air)	77.7	73.7 N/A	N/A	N/A	N/A								
			•							,			
Total	77.7	73.7 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			
			Construction	Existing		
	Distance	Attenuation	Noise Level	Ambient (dBA,	New Ambient	
Sensitive Receptor	(feet)	Factors	(RCNM)	Leq)	(dBA, Leq)	Increase
Regal Cinemas	220	9	65.7	51.4	65.9	14.5
Holiday Inn Express	430	6	62.9	51.4	63.2	11.8
Lakehills Covenant Church	900	18	44.5	51.4	52.2	0.8
El Dorado Hills Kindercare	900	18	44.5	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.

El Dorado Hills Construction Grading Noise - Unmitigated

Reference Noise Distance 50 Reference Noise Level (RCNM) 87.3

			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.

El Dorado Hills Construction Building Construction Noise - Unmitigated

Reference Noise Distance 50 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.

El Dorado Hills Construction Paving Noise - Unmitigated

Reference Noise Distance 50 Reference Noise Level (RCNM) 84.5

			Maximum			
			Construction	Existing		
	Distance	Attenuation	Noise Level	Ambient (dBA,	New Ambient	
Sensitive Receptor	(feet)	Factors	(RCNM)	Leq)	(dBA, Leq)	Increase
Regal Cinemas	220	9	62.6	51.4	62.9	11.5
Holiday Inn Express	430	6	59.8	51.4	60.4	9.0
Lakehills Covenant Church	900	18	41.4	51.4	51.8	0.4
El Dorado Hills Kindercare	900	18	41.4	51.4	51.8	0.4

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.

El Dorado Hills Construction

Architectural Coating

Reference Noise Distance
Reference Noise Level (RCNM)

50 77.7

Reference Holse Bever (Reffil)	7717					
			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

Reference Holse Bever	10					
			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			51.4		0.0
A 6 dDA attenuation was given too hand ground guntuse, and 2 dDA reduction was	a airram tant	la a birach warre	a k la uni la lina au		a la atrica a sa tr	

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

Reference Noise Bever	7.0					
			Maximum Parking			
			Noise	Existing	New	
	Distance	Attenuatio	Level	Ambient	Ambient	
Sensitive Receptor	(feet)	n Factors	(dBA)	(dBA, Leq)	(dBA, Leq)	Increase
Regal Cinemas	220	9	48.1	51.4	53.1	1.7
Holiday Inn Express	430	6	45.3	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 Cumulative On-Site Operational Noise (HVAC & Parking)

Reference Noise Distance

Reference Noise Level (Maximum noise levels combined from HVAC and Parking Worksheets)

t-	`					
			Maximum Combined			
			Noise	Existing	New	
	Distance	Attenuatio	Level	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

2017 Existing Condition	ons													
1			TOT.			VEH	IICLE TYPE	%						
ROAD SEGMENT			# VEH.		Auto		MT		HT					
	from:	to:	AM	PM	%	Auto	%	MT	%	HT	Speed	Adt (Avg AM+PM *10)	dBA (from TNM)	
Town Center Boulevard	Post Street	East	199	487	97	333	2	7	1	3	25	3430	52.2	1
Latrobe Road	White Rock Road	South	2125	2103	97	2051	2	42	1	21	45	21140	67.7	1
White Rock Road	Post Street	Valley View Pkwy	1039	1323	97	1146	2	24	1	12	45	11810	66.6	1
Valley View Pkwy	White Rock Road	South	496	554	97	509	2	11	1	5	45	5250	61.6	1
Silva Valley Pkwy	US50	North	1136	1398	97	1229	2	25	1	13	45	12670	63.8	
				·							•		•	
Existing Plus Project														
1			TOT.			VEH	IICLE TYPE	0%						
ROAD SEGMENT			# VEH.	_	Auto	, ,	MT	70	HT					
	from:	to:	AM	PM	%	Auto	%	MT	%	HT	Speed	Adt	dBA (from TNM)	Increase from Existing
Town Center Boulevard	Post Street	East	246	531	97	377	2	8	1	4	25	3885	54.9	2.7
Latrobe Road	White Rock Road	South	2138	2117	97	2064	2	43	1	21	45	21275	67.7	0
White Rock Road	Post Street	Valley View Pkwy	1072	1358	97	1179	2	24	1	12	45	12150	67.3	0.7
Valley View Pkwy	White Rock Road	South	505	563	97	518	2	11	1	5	45	5340	62	0.4
Silva Valley Pkwy	US50	North	1147	1409	97	1240	2	26	1	13	45	12780	64.3	0.5
Future No Project														
r uture No i roject														
			TOT.			VEH	HICLE TYPE	%						
ROAD SEGMENT			# VEH.	_	Auto		MT		HT					
	from:	to:	AM	PM	%	Auto	%	MT	%	HT	Speed	Adt	dBA (from TNM)	7
Town Center Boulevard		East	254	522	97	376	2	8	1	4	25	3880		
Latrobe Road	White Rock Road	South	3038	2960	97	2909	2	60	1	30	45	29990		
White Rock Road	Post Street	Valley View Pkwy	1613	1894	97	1700	2	35	1	18	45	17530		
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	Duoinat													
r uture Plus Proposed	Project													
			TOT.			VEH	HICLE TYPE	%						
ROAD SEGMENT			# VEH.		Auto		MT		HT					
	from:	to:	AM	PM	%	Auto	%	MT	%	HT	Speed	Adt		Increase from Base
Town Center Boulevard		East	298	564	97	418	2	9	1	4	25	4310		
Latrobe Road	White Rock Road	South	3050	2970	97	2920	2	60	1	30	45	30100		
White Rock Road	Post Street	Valley View Pkwy	1644	1924	97	1730	2	36	1	18	45	17835	69	
Valley View Pkwy	White Rock Road	South	630	810	97	698	2	14	1	7	45	7200		0.1
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.

5-May-17 TNM 2.5 Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: EI Dorado Hills
RUN: Existing Conditions
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Name	No.	#DUs	Existing Ldn	Ldn	arrier ulated Crit'n		ease over exi culated Crit'n Sub'l	Impact	With Ba Calcula Ldn	ted Noise	Reduction	minu	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	Goa dB	l
Town Center from Post	East	1	1	0	52.2	66	52.2	10	5	52.2	0	8	-8
Latrobe from White Roc	k Soutl	3	1	0	67.7	66	67.7	10 Snd Lvl	6	57.7	0	8	-8
White Rock from Post to	o Valley	5	1	0	66.6	66	66.6	10 Snd Lvl	6	6.6	0	8	-8
Valley View from White	Rock S	6	1	0	61.6	66	61.6	10	6	31.6	0	8	-8
Silva Valley from 50 Nor	rth	8	1	0	63.8	66	63.8	10	6	3.8	0	8	-8

Dwelling Units	# DUs	Noise	Reduction		
		Min dB	Avg dB	Max dB	
All Selected	!	5	0	0	0
All Impacted	:	2	0	0	0
All that meet NR Goal		0	0	0	0

8-May-17 TNM 2.5 Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: RUN:

El Dorado Hills Existing Plus Project INPUT HEIGHTS

ATMOSPHERICS:

BARRIER DESIGN:

68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Name	No.	#DUs	Existing Ldn	Ldn	Barrier ulated Crit'n		ease over ex culated Crit'n Sub'l	Impact	With Bar Calculate Ldn	ed Noise	Reduction lated Goal	minu	_
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	Goa dB	l
Town Center from Post East		1	1	0	54.9	66	54.9	10	54.	.9	0	8	-8
Latrobe from White Rock South		3	1	0	67.7	66	67.7	10 Snd Lvl	67.	.7	0	8	-8
White Rock from Post to Valley View	/	5	1	0	67.3	66	67.3	10 Snd Lvl	67.	.3	0	8	-8
Valley View from White Rock South		6	1	0	62	66	62	10	6	32	0	8	-8
Silva Valley from 50 North		8	1	0	64.3	66	64.3	10	64.	.3	0	8	-8

Dwelling Units	# DUs	Noise Reduction					
Ü		Min dB	Avg dB	Max dB			
All Selected		5	0	0	0		
All Impacted		2	0	0	0		
All that meet NR Goal		0	0	0	0		

8-May-17 TNM 2.5 Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: El Dorado Hills
RUN: Future No Project
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Name	No.	#DUs	Existing No Barrier Ldn Ldn Calculated Crit'n		Increase over existing Type Calculated Crit'n Impact Sub'l Inc			With Barrier Calculated Noise Reduction Ldn Calculated Goal			Calculated minus			
			dBA	dBA	dBA	dB	dB			dBA	dB	dB	Goal dB	
Town Center from Post East		1	1	0	55	66	55	10		5	5	0	8	-8
Latrobe from White Rock South		3	1	0	69.1	66	69.1	10 S	and Lvl	69.	1	0	8	-8
White Rock from Post to Valley View		5	1	0	68.9	66	68.9	10 S	and Lvl	68.9	9	0	8	-8
Valley View from White Rock South		6	1	0	63.2	66	63.2	10		63.2	2	0	8	-8
Silva Valley from 50 North		8	1	0	67	66	67	10 S	and Lvl	6	7	0	8	-8

Dwelling Units	# DUs	Noise Reduction					
			Avg dB	Max dB			
All Selected		5	0	0	0		
All Impacted	;	3	0	0	0		
All that meet NR Goal		0	0	0	0		

8-May-17 TNM 2.5 Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: RUN: BARRIER DESIGN: El Dorado Hills Future Plus Project INPUT HEIGHTS

ATMOSPHERICS:

68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Name	No.	#DUs	Existing No Barrier Ldn Ldn Calculated Crit'n			Increase over existing Type Calculated Crit'n Impact Sub'l Inc			With Barrier Calculated Noise Reduction Ldn Calculated Goal			Calculated minus		
			dBA	dBA	dBA	dB	dB			dBA	dB	dB	Goal dB	
Town Center from Post East		1	1	0	55.4	66	55.4	10		55	5.4	0	8	-8
Latrobe from White Rock South		3	1	0	69.2	66	69.2	10	Snd Lvl	69).2	0	8	-8
White Rock from Post to Valley View		5	1	0	69	66	69	10	Snd Lvl		69	0	8	-8
Valley View from White Rock South		6	1	0	63.3	66	63.3	10		63	3.3	0	8	-8
Silva Valley from 50 North		8	1	0	67	66	67	10	Snd Lvl		67	0	8	-8

Dwelling Units	# DUs		Reduction Avg dB	Max dB		
All Selected	į	5	0	0	0	
All Impacted	3	3	0	0	0	
All that meet NR Goal	()	0	0	0	