



## Project: Sunset and Gower Project

## Off-Site Haul Trucks

Maximum Number of Truck One Way Trips (delivery/haul)

Estimated Noise Levels, Leq (from TNM Model)

		Per Hour (8-		Trips during			Fountain	Gower St.	Van Ness	Gower St. n/o	Hollywood
Phase	Per Day	hr day)	Daily Trips	Pk Hr.	Sunset Blvd.	Gordon St.	Ave.	s/o Sunset	Ave.	Sunset	Blvd.
1. Demolition	80	10	60	24	61.1	59.7	59.7	59.1	61.1	61.1	61.1
2. Grading - All Phases	314	40	60	24	66.5	65.1	65.1	64.5	66.5	66.5	66.5
<ol><li>Mat Foundation P1</li></ol>	832	70	60	24	68.8	67.4	67.4	66.8	68.8	68.8	68.8
4. Building P1	60	8	400	160	63.7	62.3	62.3	61.7	63.7	63.7	63.7
5. Grading P2	314	40	60	24	66.5	65.1	65.1	64.5	66.5	66.5	66.5
<ol><li>Mat Foundation P2</li></ol>	1148	96	60	24	70.2	68.8	68.8	68.1	70.2	70.2	70.2
7. Building P2	60	8	400	160	63.7	62.3	62.3	61.7	63.7	63.7	63.7
8. Grading P3	314	40	60	24	66.5	65.1	65.1	64.5	66.5	66.5	66.5
9. Mat Foundation P3	918	77	60	24	69.3	67.9	67.9	67.2	69.3	69.3	69.3
10. Building P3	60	8	400	160	63.7	62.3	62.3	61.7	63.7	63.7	63.7

Worker Trips

\*Noise model uses 1/2 of the truck trips, as incoming and leaving trucks use different roadways.

	Number of														
	trips per day			Estimate	d Noise Levels,	dBA Leq					Existi	ng Ambient, dB	A Leq		
	Trucks/			Fountain	Gower St.	Van Ness	Gower St. n/o	Hollywood			Fountain	Gower St.		Gower St. n/o	Hollywood
	Workers	Sunset Blvd.	Gordon St.	Ave.	s/o Sunset	Ave.	Sunset	Blvd.	Sunset Blvd.	Gordon St.	Ave.	s/o Sunset	Van Ness	Sunset	Blvd.
Demolition	80/60	61.1	59.7	59.7	59.1	61.1	61.1	61.1	73.3	61.1	66.2	66.2	68.1	69.1	71.6
Grading - All Phases	314/60	66.5	65.1	65.1	64.5	66.5	66.5	66.5	73.3	61.1	66.2	66.2	68.1	69.1	71.6
Foundation - Phase 1	832/60	68.8	67.4	67.4	66.8	68.8	68.8	68.8	73.3	61.1	66.2	66.2	68.1	69.1	71.6
Foundation - Phase 2	1148/60	70.2	68.8	68.8	68.1	70.2	70.2	70.2	73.3	61.1	66.2	66.2	68.1	69.1	71.6
Foundation - Phase 3	918/60	69.3	67.9	67.9	67.2	69.3	69.3	69.3	73.3	61.1	66.2	66.2	68.1	69.1	71.6
Building Construction - All Phases	60/400	63.7	62.3	62.3	61.7	63.7	63.7	63.7	73.3	61.1	66.2	66.2	68.1	69.1	71.6

			Project + Am	bient Noise Le	vels, dBA Leq				Noise Exceedance over Threshold, dBA Leq						
			Fountain	Gower St.		Gower St. n/o	Hollywood			Fountain	Gower St.		Gower St. n/o	Hollywood	
	Sunset Blvd.	Gordon St.	Ave.	s/o Sunset	Van Ness	Sunset	Blvd.	Sunset Blvd.	Gordon St.	Ave.	s/o Sunset	Van Ness	Sunset	Blvd.	
Demolition	73.6	63.5	67.1	67	68.9	69.7	72	-4.7	-2.6	-4.1	-4.2	-4.2	-4.4	-4.6	
Grading - All Phases	74.1	66.6	68.7	68.4	70.4	71	72.8	-4.2	0.5	-2.5	-2.8	-2.7	-3.1	-3.8	
Foundation - Phase 1	74.6	68.3	69.9	69.5	71.5	72	73.4	-3.7	2.2	-1.3	-1.7	-1.6	-2.1	-3.2	
Foundation - Phase 2	75	69.5	70.7	70.3	72.3	72.7	74.0	-3.3	3.4	-0.5	-0.9	-0.8	-1.4	-2.6	
Foundation - Phase 3	74.8	68.7	70.1	69.7	71.8	72.2	73.6	-3.5	2.6	-1.1	-1.5	-1.3	-1.9	-3.0	
Building Construction - All Phases	73.8	64.8	67.7	67.5	69.4	70.2	72.3	-4.5	-1.3	-3.5	-3.7	-3.7	-3.9	-4.3	
			Maximu	m Exceedance				-3.3	3.4	-0.5	-0.9	-0.8	-1.4	-2.6	

	Maximum Nur	mber of Truck	Worke	er Trips
		Per Hour (8-		Trips during
Overlapping Construction	Per Day	hr day)	Daily Trips	Pk Hr.
P1 Building and P2 Grading	374	48	460	184
P1 Building and P2 Foundation	1208	104	460	184
P1 and P2 Building	120	16	800	320

			Estimate	d Noise Levels	, dBA Leq					Projec	t + Ambient, dE	A Leq		
			Fountain	Gower St.		Gower St. n/o	Hollywood			Fountain	Gower St.		Gower St. n/o	Hollywood
Overlapping Construction	Sunset Blvd.	Gordon St.	Ave.	s/o Sunset	Van Ness	Sunset	Blvd.	Sunset Blvd.	Gordon St.	Ave.	s/o Sunset	Van Ness	Sunset	Blvd.
P1 Building and P2 Grading	68.3	66.9	66.9	66.3	68.3	68.3	68.3	74.5	67.9	69.6	69.3	71.2	71.7	73.3
P1 Building and P2 Foundation	71.1	69.7	69.7	69.0	71.1	71.1	71.1	75.3	70.3	71.3	70.8	72.9	73.2	74.4
P1 and P2 Building	66.7	65.3	65.3	64.7	66.7	66.7	66.7	74.2	66.7	68.8	68.5	70.5	71.1	72.8

		1	Noise Exceeda	ince over Thre	shold, dBA Le	q	
			Fountain			Gower St. n/o	Hollywood
Overlapping Construction	Sunset Blvd.	Gordon St.	Ave.	Gower St.	Van Ness	Sunset	Blvd.
P1 Building and P2 Grading	-3.8	1.8	-1.6	-1.9	-1.9	-2.4	-3.3
P1 Building and P2 Foundation	-3.0	4.2	0.1	-0.4	-0.2	-0.9	-2.2
P1 and P2 Building	-4.1	0.6	-2.4	-2.7	-2.6	-3.0	-3.8
Maximum Exceedance	-3.0	4.2	0.1	-0.4	-0.2	-0.9	-2.2



## **Project: Sunset and Gower Project**

## **Concurrent Construction and Operation - Off-Site Analysis**

Off-Site	Gordon St.	Fountain Ave.	Gower St.
Project construction traffic	67.9	67.9	67.2
Project operation interim	67.7	71.1	70.5
Composite	70.8	72.8	72.2
Ambient	61.1	66.2	66.2
Composite + Ambient	71.3	73.7	73.1
Significance threshold	66.1	71.2	71.2
Exceedance over threshold	5.2	2.5	1.9

On-Site		Estimate	d Construction	& Operation N	loise Levels, di	BA Leq			
	Construction -	Operation -	Operation -	Operation -	Operation -	Operation -	Operation -		Project +
Rec.	P3 Foundation	Mechanical	Loading	People	Speakers	Parking	All Sources	Ambient	Ambient
R1	52.1	27.0	33.4	34.5	46.5	49.9	51.7	61.1	62.0
R2	63.5	20.5	31.3	28.7	38.9	45.8	46.8	66.2	68.1
R3	54.9	26.2	36.1	41.5	50.7	24.2	51.3	66.2	66.6
R4	48.5	33.7	28.8	49.8	62.5	20.4	62.7	73.3	73.7
R5	49.5	35.4	30.3	39.8	60.6	33.3	60.7	67.6	68.5

Off-Site	Gordon St.	Fountain Ave.	Gower St.
Operation - Existing	64.6	70.4	70.3
Existing + Project	66.4	70.8	70.4
Adjustment for Interm	3.0	3.0	3.0
Existing + Project, Interim	69.4	73.8	73.4
Project Only, Interim	67.7	71.1	70.5
Project ADT	4110		
Interim ADT	8244		

INPUT: ROADWAYS							Suns	et Gower Proj	ject				
Eyestone Environmental					7 August 202	20							
Sean Bui					TNM 2.5								
INPUT: ROADWAYS							Average	pavement typ	e shall be u	used unles	S		
PROJECT/CONTRACT:	Sunset G	ower Proje	ect				a State hi	ighway agend	y substant	iates the u	se		
RUN:	Construc	tion Truck	s - Demo	Phase			of a differ	rent type with	the approv	al of FHW	A		
Roadway		Points											
Name	Width	Name	No.	Coordinates	(pavement)		Flow Con	itrol		Segment			
				X	Y	Z	Control	Speed	Percent	Pvmt	On		
							Device	Constraint	Vehicles	Type	Struct?		
									Affected				
	ft			ft	ft	ft		mph	%				
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average			
		point2	2	1,000.0	0.0	0.00							

INPUT: TRAFFIC FOR LAeq1h Volumes						•	Sunset G	ower P	roject			
Eyestone Environmental				7 Aug	∣ ust 2020	)						
Sean Bui				TNM 2	2.5		ı					
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Sunset Go	wer Proje	ct		1							
RUN:	Construction	on Trucks	s - Demo	Phase								
Roadway	Points											
Name	Name	No.	Segme	nt								
			Autos		MTruck	S	HTruck	S	Buses	L	Motoro	ycles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1		1 2	4 35	5 (	0 0	0	5 3	5	0 (	0	0 0

2

point2

INPUT: RECEIVERS								Sunset G	ower Proje	ct	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project		'						
RUN:	Cons	tructior	Trucks - Der	no Phase							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteri	a	Active
			X	Υ	Z	above	Existing	Impact Cr	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Gordon St.	,	1 1	250.0	40.0	0.00	4.92	0.00	71	5.0	0.0	) Y
Along Sunset Blvd.	8	3 1	250.0	30.0	0.00	4.92	0.00	66	3 10.0	8.0	) Y

RESULTS: SOUND LEVELS				T		7	Sunset Go	wer Proje	ect				
Eyestone Environmental							7 August	2020					
Sean Bui							TNM 2.5						
ooun Dui							Calculate	d with TN	M 2 5				
RESULTS: SOUND LEVELS							Julouluto		1.0				
PROJECT/CONTRACT:		Sunset	Gower Pro	oiect									
RUN:				ks - Demo P	hase								
BARRIER DESIGN:		_	HEIGHTS					Average	pavement type	shall be use	d unles	SS .	
									nighway agenc				
ATMOSPHERICS:		68 deg	F, 50% RH	 					erent type with				
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier		-		
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ited
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Gordon St.		1 '	1 0.0	59.7	7 7	1 59.7	5		59.7	0.0	,	0	0.
Along Sunset Blvd.	8	8 ′	1 0.0	61.1	66	61.1	10		61.1	0.0	,	8	-8.
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	2 0.0	0.0	0.0	O							
All Impacted		(	0.0	0.0	0.0	0							
All that meet NR Goal			1 0.0	0.0	0.0	0							

INPUT: RECEIVERS										Sunset Go	ower Proje	ct		
Eyestone Environmental								11 May 20	20					
Sean Bui								TNM 2.5						
INPUT: RECEIVERS														
PROJECT/CONTRACT:	Sun	set Gow	er Project											
RUN:	Con	structio	n Trucks -	Den	no Phase									
Receiver														
Name	No.	#DUs	Coordina	tes	(ground)			Height	Input Sou	nd Levels	and Criteria	a	A	Active
			X		Υ	Z		above	Existing	Impact Cr	iteria	NR	i	n
								Ground	LAeq1h	LAeq1h	Sub'l	Goal	(	Calc.
			ft		ft	ft		ft	dBA	dBA	dB	dB		
Along Fountain Ave.		1 1	1 25	50.0	40.0	0	0.00	4.92	0.00	71	5.0		0.0	Υ
Along Gower St.		8 1	1 25	50.0	45.0	כ	0.00	4.92	0.00	66	10.0		8.0	Υ

RESULTS: SOUND LEVELS				,			Sunset Go	wer Proje	ct				
Eyestone Environmental							11 May 20	20					
								20					
Sean Bui							TNM 2.5						
							Calculate	d with TNI	M 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Constru	uction Truc	ks - Demo	Phase								
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement type	shall be use	d unless	3	
								a State h	ighway agenc	y substantiate	s the us	3 <b>e</b>	
ATMOSPHERICS:		68 deg	F, 50% RH						rent type with	=			
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	rexisting	Type	Calculated	Noise Reduc	tion	-	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ted
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Fountain Ave.	1	1	0.0	59	.7	71 59.7	7 5		59.7	0.0		0	0.0
Along Gower St.	8	3 1	0.0	59	).1	59.	1 10		59.1	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0	0.0	.0							
All Impacted		0	0.0	0	0.0	.0							
All that meet NR Goal		1	0.0	0	0.0	.0							

INPUT: RECEIVERS								Sunset G	ower Proje	ct	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Sunse	et Gowe	er Project								
RUN:	Const	ruction	Trucks - Der	no Phase							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteria	a	Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Van Ness & Hollywood	8	3 1	250.0	-30.0	0.00	4.92	0.00	66	3 10.0	8.0	) Y
Gower N/O Sunset	10	) 1	250.0	30.0	0.00	4.92	0.00	66	10.0	8.0	) Y

RESULTS: SOUND LEVELS							Sunset Go	wer Proje	ct				
Eyestone Environmental							7 August	2020					
Sean Bui							<b>TNM 2.5</b>						
							Calculate	d with TNI	VI 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Constr	uction True	ks - Demo P	hase								
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement type	e shall be use	d unles	s	
								a State h	ighway agenc	y substantiat	es the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH						rent type with				
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	ction	-	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcul	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Van Ness & Hollywood	8	1	0.0	61.	1 66	61.1	1 10	)	61.1	0.0	)	8	-8.0
Gower N/O Sunset	10	1	0.0	61.	1 66	61.1	1 10	)	61.1	0.0	)	8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0	D							
All Impacted		0	0.0	0.0	0.0	)							

All that meet NR Goal

0

0.0

0.0

7 *F* 

INPUT: ROADWAYS							Suns	et Gower Proj	ect		
Eyestone Environmental					7 August 202	20					
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	ısed unles	S
PROJECT/CONTRACT:	Sunset G	ower Proje	ect				a State hi	ighway agend	y substant	iates the u	se
RUN:							of a differ	rent type with	the approv	al of FHW	۵/
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Con	itrol		Segment	
				X	Υ	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes						S	Sunset Go	wer Pr	oject		1	
Eyestone Environmental				7 Aug	 ust 2020							
Sean Bui				TNM 2	.5		I					
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Sunset Gov	wer Proje	ct									
RUN:	Construction	on Trucks	- Gradin	g Phas	е							
Roadway	Points											
Name	Name	No.	Segmer	nt								
Eyestone Environmental  Sean Bui  INPUT: TRAFFIC FOR LAeq1h Volumes PROJECT/CONTRACT:  RUN:  Construction Trucks - Grading Phase  Roadway  Name  Name  No. Segment	Motoro	ycles										
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	1 24	35	C	0	20	35		0 0	)	0
	point2	2	2									

INPUT: RECEIVERS								Sunset G	ower Proje	ct	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project		'						
RUN:	Cons	truction	Trucks - Gra	ding Phase							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteri	а	Active
			X	Υ	Z	above	Existing	Impact Cr	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Gordon St.	,	1	250.0	40.0	0.00	4.92	0.00	71	5.0	0.0	) Y
Along Sunset Blvd.	8	3 1	250.0	30.0	0.00	4.92	0.00	66	3 10.0	8.0	) Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	t				
Eyestone Environmental							7 August	2020					
Sean Bui							TNM 2.5						
							Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Constr	uction Truc	ks - Gradir	ng Phase								
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unles	s	
										y substantiate			
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion	·	
				Calculated	l Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ited
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Gordon St.	1	1 1	0.0	65	5.1 7	1 65.1	5		65.1	0.0		0	0.0
Along Sunset Blvd.	8	3 1	0.0	66	6.5	6 66.5	5 10	Snd Lvl	66.5	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	(	0.0 0.	0							
All Impacted		1	0.0	(	0.0	0							
All that meet NR Goal		1	0.0	(	0.0	0							

INPUT: RECEIVERS								Sunset G	ower Proj	ect		
Eyestone Environmental						11 May 20	20					
Sean Bui						TNM 2.5						
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Sunse	et Gow	er Project		'							
RUN:	Const	truction	n Trucks - Gra	ding Phase								
Receiver												
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Crite	ria		Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR		in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal		Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	$\dashv$	
Along Fountain Ave.	1	1 1	250.0	40.0	0.00	4.92	0.00	71	5	5.0	0.0	Υ
Along Gower St.	8	3 1	250.0	45.0	0.00	4.92	0.00	66	3 10	0.0	8.0	Υ

RESULTS: SOUND LEVELS								Sunset Go	wer Proje	ct				
Eyestone Environmental								11 May 20	20					
Sean Bui								TNM 2.5						
								Calculated	d with TNI	M 2.5				
RESULTS: SOUND LEVELS														
PROJECT/CONTRACT:		Sunset	Gower Pro	ject										
RUN:		Constr	uction Truc	ks - Gradi	ing Phase									
BARRIER DESIGN:		INPUT	HEIGHTS						Average	pavement type	shall be use	d unles	s	
									a State h	ighway agenc	y substantiate	s the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH	ĺ					of a diffe	rent type with	approval of F	HWA.		
Receiver														
Name	No.	#DUs	Existing	No Barrie	r					With Barrier				
			LAeq1h	LAeq1h			Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculate	d Crit'n		Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcul	ated
								Sub'l Inc					minus	
													Goal	
			dBA	dBA	dBA		dB	dB		dBA	dB	dB	dB	
Along Fountain Ave.	1	1 1	0.0	6	55.1	71	65.1	5		65.1	0.0		0	0.0
Along Gower St.	8	3 1	0.0	6	64.5	66	64.5	10		64.5	0.0		8	-8.0
Dwelling Units		# DUs	Noise Red	duction										
			Min	Avg	Max									
			dB	dB	dB									
All Selected		2	0.0		0.0	0.0	)							
All Impacted		0	0.0		0.0	0.0	)							
All that meet NR Goal		1	0.0		0.0	0.0	)							

INPUT: RECEIVERS								Sunset G	ower Pro	ject		
Eyestone Environmental						7 August	2020					
Sean Bui						TNM 2.5						
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Sunse	et Gow	er Project		1							
RUN:	Const	truction	n Trucks - Gra	ding Phase								
Receiver												
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Crite	eria		Active
			X	Υ	Z	above	Existing	Impact C	riteria	NR		in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal		Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB		
Van Ness & Hollywoodq	1	1	250.0	30.0	0.00	4.92	0.00	7	1	5.0	0.0	Υ
Gower N/O Sunset	8	3 1	250.0	-30.0	0.00	4.92	0.00	66	3 10	0.0	8.0	Υ

RESULTS: SOUND LEVELS						Sunset Go	wer Projec	:t			
Eyestone Environmental						7 August	2020				
Sean Bui						<b>TNM 2.5</b>					
						Calculate	d with TNM	1 2.5			
RESULTS: SOUND LEVELS											
PROJECT/CONTRACT:	Sunse	t Gower Pro	oject								
RUN:	Const	ruction Truc	cks - Grading	Phase							
BARRIER DESIGN:	INPUT	T HEIGHTS					Average p	pavement type	shall be use	d unless	
							a State hig	ghway agenc	y substantiat	es the use	
ATMOSPHERICS:	68 de	g F, 50% RH	l				of a differ	ent type with	approval of F	HWA.	
Receiver											
Name No.	#DUs	Existing	No Barrier					With Barrier	-		
		LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	ction	
			Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
						Sub'l Inc					minus
											Goal
		dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Van Ness & Hollywoodq	1	1 0.0	66.5	5 7	1 66.5	5 5	j	66.5	0.0	)	0.
Gower N/O Sunset	8	1 0.0	66.5	5 66	66.5	10	Snd Lvl	66.5	0.0	)	8 -8.
Dwelling Units	# DUs	Noise Re	duction								
		Min	Avg	Max							
		dB	dB	dB							
All Selected		2 0.0	0.0	0.0	0						

0.0

0.0

All that meet NR Goal

7 /

INPUT: ROADWAYS								Suns	et Gower Proj	ect		
Eyestone Environmental					7 August 20	20						
Sean Bui					TNM 2.5							
INPUT: ROADWAYS								Average	pavement typ	e shall be ι	used unles	 
PROJECT/CONTRACT: Sur	set G	ower Proj	ect					a State h	ighway agend	y substant	iates the us	se
RUN: Fou	ndatio	on Phase	2A					of a diffe	rent type with	the approv	al of FHW	1
Roadway		Points										
Name Wid	th	Name	No.	Coordinates	(pavement)	-		Flow Cor	itrol		Segment	
				X	Υ	Z		Control	Speed	Percent	Pvmt	On
	İ							Device	Constraint	Vehicles	Туре	Struct?
										Affected		
ft				ft	ft	ft			mph	%		
Haul Route	12.0	point1	1	0.0	0.0	)	0.00	Signal	0.00	100	Average	

1,000.0

0.00

0.0

2

point2

1

INPUT: TRAFFIC FOR LAeq1h Volumes	T: TRAFFIC FOR LAeq1h Volumes							wer Pr	oject			
Eyestone Environmental				7 Aug	ust 2020							
Sean Bui				TNM 2	2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	<b>Sunset Gow</b>	er Proje	ct									
RUN:	Foundation	Phase 2	A									
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	S	HTrucks	3	Buses		Motorc	ycles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	1 24	35	j 0	0	35	35		0 0		0
	point2	2	2									

INPUT: RECEIVERS								Sunset G	ower Proje	ect	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project								
RUN:	Found	dation I	Phase 2A	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criter	ia	Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Gordon St.	1	1	250.0	40.0	0.00	4.92	0.00	7′	1 5.	0 0.	0 Y
Along Sunset Blvd.	8	3 1	250.0	30.0	0.00	4.92	0.00	66	6 10.	0 8.	0 Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	ct .				
Eyestone Environmental							7 August	2020					
Sean Bui							TNM 2.5	2020					
Sean Bui								al::41a TNIN					
DECLUTO, COLIND LEVELO							Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:			Gower Pro	-									
RUN:		Found	ation Phase	2A									
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement type	shall be use	d unles	SS	
								a State hi	ghway agenc	y substantiat	es the ເ	ıse	
ATMOSPHERICS:		68 deg	F, 50% RH	ĺ				of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Type	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Gordon St.		1 ′	0.0	67.4	. 7	1 67.4	. 5		67.4	0.0		0	0.
Along Sunset Blvd.	3	8 1	0.0	68.8	6	6 68.8	3 10	Snd Lvl	68.8	0.0		8	-8.
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.	0							
All Impacted			0.0	0.0	0.	0							
All that meet NR Goal			0.0	0.0	0.	0							

INPUT: RECEIVERS								Sunset G	ower Pro	ject		
Eyestone Environmental						11 May 20	20					
Sean Bui						TNM 2.5						
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Sunse	et Gow	er Project		1							
RUN:	Found	dation l	Phase 2A									
Receiver												
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Crite	ria		Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR		in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal		Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB		
Along Fountain Ave.	1	1	250.0	40.0	0.00	4.92	0.00	7′	1 5	5.0	0.0	Υ
Along Gower St.	8	3 1	250.0	45.0	0.00	4.92	0.00	66	3 10	0.0	8.0	Υ

RESULTS: SOUND LEVELS				,				Sunset Go	wer Projec	et .		1		
Eyestone Environmental								11 May 20	20					
									20					
Sean Bui								TNM 2.5						
								Calculated	d with TNN	1 2.5				
RESULTS: SOUND LEVELS														
PROJECT/CONTRACT:		Sunset	Gower Pro	ject										
RUN:		Founda	tion Phase	2A										
BARRIER DESIGN:		INPUT	HEIGHTS						Average p	pavement type	shall be use	d unless		
									a State hi	ghway agency	y substantiate	s the us	е	
ATMOSPHERICS:		68 deg	F, 50% RH							ent type with				
Receiver														
Name	No.	#DUs	Existing	No Barrier						With Barrier				
			LAeq1h	LAeq1h		ı	Increase over	existing	Type	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	(	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
								Sub'l Inc					minus	
													Goal	
			dBA	dBA	dBA	C	dB	dB		dBA	dB	dB	dB	
Along Fountain Ave.	1	1	0.0	67	'.4	71	67.4	5		67.4	0.0		0	0.0
Along Gower St.	8	3 1	0.0	66	5.8	66	66.8	10	Snd Lvl	66.8	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction										
			Min	Avg	Max									
			dB	dB	dB									
All Selected		2	0.0	0	0.0	0.0								
All Impacted		1	0.0	0	0.0	0.0								
All that meet NR Goal		1	0.0	0	0.0	0.0								

INPUT: RECEIVERS	1				T			Sunset G	ower Proje	ct	
Eyestone Environmental						7 August	2020				
-						_	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project								
RUN:	Found	dation F	Phase 2A	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteri	a	Active
			X	Y	Z	above	Existing	Impact Cr	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
			IL	IL	IL	IL	UDA	UDA	иь	иь	
Van Ness & Hollywood		1 1	250.0	30.0	0.00	4.92	0.00	71	5.0	0.0	) Y
Gower N/O Sunset	3	3 1	250.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS	İ			T.			Sunset Go	wer Projec	:t				
Eyestone Environmental							7 August	2020					
Sean Bui							TNM 2.5						
							Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Founda	tion Phase	2A									
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unless	;	
								a State hi	ghway agenc	y substantiat	s the us	e	
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.		
Receiver													-
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ited
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Van Ness & Hollywood	1	1	0.0	68.	8 7	1 68.8	5		68.8	0.0		0	0.0
Gower N/O Sunset	8	1	0.0	68.	8 6	68.8	3 10	Snd Lvl	68.8	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.	0 0.	0							
All Impacted		1	0.0	0.0	0 0.	0							

0.0

0.0

All that meet NR Goal

INPUT: ROADWAYS							Suns	et Gower Pro	ject		
Eyestone Environmental					7 August 20	20					
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be	used unle	ess
PROJECT/CONTRACT:	Sunset	Gower Pro	ject				a State h	ighway agend	y substant	iates the	use
RUN:	Foundat	tion Phase	2B				of a diffe	rent type with	the appro	val of FH\	NA
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Cor	itrol		Segmen	t
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		

1,000.0

0.0

0.0

1

2

12.0 point1 point2

Haul Route

0.00 Signal

0.00

0.00

100

Average

INPUT: TRAFFIC FOR LAeq1h Volumes	П				1	S	unset Go	wer Pr	oject			
Eyestone Environmental				7 Aug	∣ ust 2020	)						
Sean Bui				TNM 2	5		I					
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Sunset Gowe	r Proje	ct									
RUN:	Foundation P	hase 2	В									
Roadway	Points											
Name	Name	No.	Segmen	nt								
			Autos		MTruck	(S	HTrucks	•	Buses		Motorcy	cles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	1 24	35	,	0 0	48	35	0	0	0	C
	point2	2	2									

INPUT: RECEIVERS								Sunset G	ower Proje	ct	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project								
RUN:	Found	dation I	Phase 2B	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteri	a	Active
			X	Υ	Z	above	Existing	Impact Cr	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'I	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Gordon St.	,	1	250.0	40.0	0.00	4.92	0.00	71	5.0	0.0	) Y
Along Sunset Blvd.	3	3 1	250.0	30.0	0.00	4.92	0.00	66	10.0	8.0	) Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	ct			
Eyestone Environmental							7 August	2020				
Sean Bui							TNM 2.5					
							Calculate	d with TNN	1 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Sunse	t Gower Pro	ject								
RUN:		Found	ation Phase	2B								
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	e shall be use	d unles	S
								a State hi	ghway agend	y substantiat	es the us	se
ATMOSPHERICS:		68 deg	F, 50% RH	ĺ				of a differ	ent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrie	•		
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Redu	ction	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Along Gordon St.		1 .	1 0.0	68.8	3 7	1 68.8	3 5	5	68.8	3 0.0	)	0 (
Along Sunset Blvd.	:	8 .	1 0.0	70.2	2 6	6 70.2	2 10	Snd Lvl	70.2	2 0.0	)	8 -8
Dwelling Units		# DUs	Noise Re	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	2 0.0	0.0	0 0	0						
All Impacted			1 0.0	0.0	0	0						
All that meet NR Goal			1 0.0	0.0	0 0	.0						

INPUT: RECEIVERS								Sunset G	ower Proje	ct	
Eyestone Environmental						11 May 20	20				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project								
RUN:	Foun	dation I	Phase 2B								
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteri	a	Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Fountain Ave.		1 1	250.0	40.0	0.00	4.92	0.00	71	5.0	0.0	) Y
Along Gower St.	8	3 1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	) Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	t				
Eyestone Environmental							11 May 20	20					
Sean Bui							TNM 2.5						
							Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Founda	tion Phase	2B									
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unles	s	
								a State hi	ghway agenc	y substantiate	s the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion	-	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
							Sub'l Inc					minus	İ
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Fountain Ave.	1	1	0.0	68	3.8 7	1 68.8	5		68.8	0.0		0	0.0
Along Gower St.	8	3 1	0.0	68	3.1 6	6 68.1	10	Snd Lvl	68.1	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	C	0.0	0							
All Impacted		1	0.0	C	0.0	0							
All that meet NR Goal		1	0.0	C	0.0	0							

RESULTS: SOUND LEVELS							Sunset Go	wer Proje	ct				
Eyestone Environmental							7 August	2020					
Sean Bui							<b>TNM 2.5</b>						
							Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Founda	ation Phase	2B									
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	e shall be use	ed unles	s	
								a State hi	ghway agend	y substantiat	es the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH	ĺ				of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrie	r .			
		LAeq1h		LAeq1h		Increase over	existing	Туре	Calculated Noise Reduc			ction	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcul	ated
							Sub'l Inc					minus	i
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Van Ness & Hollywood		1 1	0.0	70.2	2 7	1 70.2	2 5		70.2	2 0.0	)	0	0.
Gower N/O Sunset	3	3 1	0.0	70.2	2 6	6 70.2	2 10	Snd Lvl	70.2	2 0.0	)	8	-8.
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	2 0.0	0.0	0.0	0							
All Impacted		1	0.0	0.0	0.0	0							

0.0

0.0

All that meet NR Goal

INPUT: RECEIVERS								Sunset G	ower Proje	ect	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project		'						
RUN:	Found	dation I	Phase 2B	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criter	ia	Active
			X	Υ	Z	above	Existing	Impact C	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Van Ness & Hollywood	,	1 1	250.0	30.0	0.00	4.92	0.00	7	1 5.	0 0.	0 Y
Gower N/O Sunset	8	3 1	250.0	-30.0	0.00	4.92	0.00	66	3 10.	0 8.	0 Y

INPUT: ROADWAYS							Suns	et Gower Pro	ject		
Eyestone Environmental					7 August 20	20					
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	used unles	S
PROJECT/CONTRACT:	Sunset G	ower Pro	ject				_	ighway agend			
RUN:	Foundati	on Phase	3				of a diffe	rent type with	the approv	val of FHW	A
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)	-	Flow Cor	ntrol		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00	)				

INPUT: TRAFFIC FOR LAeq1h Volumes						S	unset Go	wer Pr	oject			
Eyestone Environmental				7 Aug	ust 2020							
Sean Bui				TNM 2	<b>5</b>							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	<b>Sunset Gow</b>	er Proje	ct									
RUN:	Foundation	Phase 3										
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	s	HTrucks	5	Buses		Motoro	ycles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	1 24	35	0	0	39	35		0 0	)	0
	point2	2	2									

INPUT: RECEIVERS								Sunset G	ower Proje	ct	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Sunse	et Gowe	er Project								
RUN:	Found	dation F	Phase 3								
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteri	а	Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Gordon St.	1	1	250.0	30.0	0.00	4.92	0.00	71	5.0	0.0	) Y
Along Sunset Blvd.	8	3 1	250.0	40.0	0.00	4.92	0.00	66	3 10.0	8.0	) Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	ct		7	
Eyestone Environmental							7 August	2020				
Sean Bui							TNM 2.5					
								d with TNN	1 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Sunse	t Gower Pro	ject								
RUN:			ation Phase									
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	e shall be use	d unles	S
										y substantiat		
ATMOSPHERICS:		68 deg	F, 50% RH	ĺ						approval of I		
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrie	r .		
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Redu	ction	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Along Gordon St.		1 .	1 0.0	69.3	3 7	71 69.3	3 5	5	69.3	3 0.0	)	0 0
Along Sunset Blvd.		8	1 0.0	67.9	9 6	67.9	9 10	Snd Lvl	67.9	9 0.0	)	8 -8
Dwelling Units		# DUs	Noise Re	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	2 0.0	0.0	0 0	.0						
All Impacted			1 0.0	0.0	0	.0						
All that meet NR Goal			1 0.0	0.0	0 0	.0						

INPUT: RECEIVERS								Sunset G	ower Proje	ect	
Eyestone Environmental						11 May 20	20				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Sunse	et Gowe	er Project								
RUN:	Found	dation F	Phase 3	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criter	ia	Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Fountain Ave.	1	1	250.0	40.0	0.00	4.92	0.00	7′	5.	0 0.	0 Y
Along Gower St.	8	3 1	250.0	45.0	0.00	4.92	0.00	66	6 10.	0 8.	0 Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	:t				
Functions Fundamental							44 May 00						
Eyestone Environmental							11 May 20	120					
Sean Bui							TNM 2.5						
							Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Founda	tion Phase	3									
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unles	ss	
								a State hi	ghway agency	y substantiate	es the u	ise	
ATMOSPHERICS:		68 deg	F, 50% RH						ent type with	-			
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcul	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Fountain Ave.	1	1	0.0	67.	9 71	67.9	5		67.9	0.0		0	0.0
Along Gower St.	8	3 1	0.0	67.	2 66	67.2	10	Snd Lvl	67.2	0.0		8	-8.0
Dwelling Units		# DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.									
All Impacted		1	0.0	0.	0.0								
All that meet NR Goal		1	0.0	0.	0.0								

INPUT: RECEIVERS								Sunset G	ower Proje	<u>∍ct</u>	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project		'						
RUN:	Found	dation I	Phase 3	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criter	ia	Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Van Ness & Hollywood		1 1	250.0	30.0	0.00	4.92	0.00	7′	1 5.	0 0.0	0 Y
Gower N/O Sunset	8	3 1	250.0	-30.0	0.00	4.92	0.00	66	3 10.	0 8.0	0 Y

RESULTS: SOUND LEVELS			·	T		<u> </u>	Sunset Go	wer Projec	:t	T	1		
Eyestone Environmental							7 August	2020					
Sean Bui							TNM 2.5						
							Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Founda	ation Phase	3									
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	avement type	shall be use	d unless		
								a State hi	ghway agenc	y substantiate	s the us	e	
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion	·	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ited
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Van Ness & Hollywood	1	1	0.0	69.3	3 7	1 69.3	5	j	69.3	0.0		0	0.0
Gower N/O Sunset	8	3 1	0.0	69.3	3 60	69.3	3 10	Snd Lvl	69.3	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0	D							
All Impacted			0.0	0.0	0.0	<u> </u>							

0.0

0.0

All that meet NR Goal

7 *F* 

INPUT: ROADWAYS							Suns	et Gower Proj	ject		
Eyestone Environmental					7 August 20	20					
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	used unles	S
PROJECT/CONTRACT:	Sunset G	ower Proje	ect				a State h	ighway agend	y substant	iates the u	se
RUN:	Construc	tion Buildi	ing Phas	е			of a diffe	rent type with	the approv	al of FHW	Δ.
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Cor	itrol		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes	П					S	unset G	ower Pr	oject			
Eyestone Environmental				7 Aug	ust 2020							
Sean Bui				TNM 2	.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Sunset Gowe	er Proje	ct									
RUN:	Construction	Buildir	ng Phase									
Roadway	Points											
Name	Name	No.	Segmen	nt								
			Autos		MTruck	S	HTruck	S	Buses		Motorc	ycles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	,	160	35	C	0	) 4	35		0 0		0 (
	point2	2	2									

INPUT: RECEIVERS								Sunset G	ower Proje	et	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project								
RUN:	Cons	tructior	Building Pha	ase							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criter	ia	Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Gordon St.		1 1	250.0	40.0	0.00	4.92	0.00	7′	1 5.	0 0.0	0 Y
Along Sunset Blvd.	8	3 1	250.0	30.0	0.00	4.92	0.00	66	3 10.	0 8.0	0 Y

RESULTS: SOUND LEVELS				İ			Sunset Go	wer Proje	ct				
Eyestone Environmental							7 August	2020					
Sean Bui							<b>TNM 2.5</b>						
							Calculate	d with TNI	VI 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Constr	uction Buil	ding Phase									
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement type	shall be use	d unles	s	
								a State h	ighway agenc	y substantiate	s the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH					of a diffe	rent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Gordon St.	1	1	0.0	62.	3 7	1 62.3	5		62.3	0.0		0	0.0
Along Sunset Blvd.	8	3 1	0.0	63.	7 6	63.7	10		63.7	0.0		8	-8.0
Dwelling Units		# DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.	0.0	0							
All Impacted		0	0.0	0.	0 0.0	0							
All that meet NR Goal		1	0.0	0.	0.0	0							

INPUT: RECEIVERS								Sunset G	ower Proje	ct	
Eyestone Environmental						11 May 20	20				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project								
RUN:	Cons	ruction	Building Pha	ase							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteri	a	Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Fountain Ave.		1	250.0	40.0	0.00	4.92	0.00	7′	5.0	0.0	) Y
Along Gower St.	3	3 1	250.0	45.0	0.00	4.92	0.00	66	3 10.0	8.0	) Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	et	·			
Freetone Fusinenmental							44 May 20	20					
Eyestone Environmental							11 May 20	20					
Sean Bui							TNM 2.5						
							Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Constru	uction Build	ding Phase									
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement type	shall be use	d unles	3	'
									ghway agency				
ATMOSPHERICS:		68 deg	F, 50% RH						ent type with	•			
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion	-	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ted
							Sub'l Inc		-			minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Fountain Ave.	1	1	0.0	62.3	3 71	62.3	5		62.3	0.0		0	0.0
Along Gower St.	8	1	0.0	61.7	7 66	61.7	10		61.7	0.0		8	-8.0
Dwelling Units		# DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		1	0.0	0.0	0.0								

INPUT: RECEIVERS								Sunset G	ower Projec	ct	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Sunse	et Gowe	er Project								
RUN:	Const	ruction	Building Pha	ase							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteria	a	Active
			X	Υ	Z	above	Existing	Impact Cr	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Van Ness & Hollywood	1	1	250.0	30.0	0.00	4.92	0.00	71	5.0	0.0	Y
Gower N/O Sunset	8	1	250.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS							Sunset Go	wer Proje	ct				
Eyestone Environmental							7 August						
Sean Bui							TNM 2.5						
							Calculate	d with TNI	/I 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Constr	uction Buil	ding Phase									
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	shall be use	d unless		
									ighway agenc				
ATMOSPHERICS:		68 deg	F, 50% RH					of a diffe	rent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ted
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Van Ness & Hollywood	1	1	0.0	63.7	7 7	1 63.7	7 5	i	63.7	0.0		0	0.0
Gower N/O Sunset	8	1	0.0	63.7	7 66	63.7	10		63.7	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0	D							
All Impacted		0	0.0	0.0	0.0			i					

0.0

0.0

All that meet NR Goal

7 *f* 

INPUT: ROADWAYS		n			Ţ		Suns	et Gower Pro	ject		1
Eyestone Environmental					7 August 20	20					
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be	used unles	S
PROJECT/CONTRACT:	Sunset G	ower Proj	ect				a State h	ighway agend	cy substant	iates the u	se
RUN:	Overlapp	ing 1					of a diffe	rent type with	the approv	al of FHW	A
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Cor	ntrol		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00	)				

INPUT: TRAFFIC FOR LAeq1h Volumes						S	Sunset Go	wer Pr	oject			
Eyestone Environmental				7 Aug	ust 2020							
Sean Bui				TNM 2	.5		I					
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	<b>Sunset Gow</b>	er Proje	ct									
RUN:	Overlapping	j 1										
Roadway	Points											
Name	Name	No.	Segmen	nt								
			Autos		MTruck	S	HTrucks	3	Buses		Motorc	ycles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	•	1 184	35	C	0	24	35		0 0		0
	point2	2	2									

INPUT: RECEIVERS					T				Sunset Go	wer Proje	ct	
Eyestone Environmental							7 August 2	2020				
Sean Bui							TNM 2.5					
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Sunset Go	owe	er Project									
RUN:	Overlappi	ng	1									
Receiver												
Name	No. #DI	Us	Coordinates	(ground)			Height	Input Sou	nd Levels a	and Criteria	a	Active
			X	Y	Z	2	above	Existing	Impact Cr	iteria	NR	in
							Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	t	ft	dBA	dBA	dB	dB	
Along Gordon St.	1	1	250.0	40.0	)	0.00	4.92	0.00	71	5.0	0.0	Y
Along Sunset Blvd.	8	1	250.0	30.0		0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	et .				
Eyestone Environmental							7 August	2020					
Sean Bui							TNM 2.5						
							Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Overla	ping 1										
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unles	s	
								a State hi	ghway agenc	y substantiate	s the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Gordon St.	1	1 1	0.0	66.	9 71	66.9	5		66.9	0.0		0	0.0
Along Sunset Blvd.	8	3 1	0.0	68.	3 66	68.3	10	Snd Lvl	68.3	0.0		8	-8.0
Dwelling Units		# DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.	0.0	)							
All Impacted		1	0.0										
All that meet NR Goal		1	0.0	0.	0.0	)							

INPUT: RECEIVERS					T			Sunset G	ower Proje	ct	
Eyestone Environmental						11 May 20	20				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project		'						
RUN:	Overl	apping	1								
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteria	a	Active
			X	Υ	Z	above	Existing	Impact Cr	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Fountain Ave.		1 1	250.0	40.0	0.00	4.92	0.00	71	5.0	0.0	) Y
Along Gower St.		3 1	250.0	45.0	0.00	4.92	0.00	66	3 10.0	8.0	Y

RESULTS: SOUND LEVELS			·				,	Sunset Go	wer Projec	et .	·			
Franksis Franksis								44 М 00	00					
Eyestone Environmental								11 May 20	20					
Sean Bui								TNM 2.5						
								Calculated	d with TNN	1 2.5				
RESULTS: SOUND LEVELS														
PROJECT/CONTRACT:		Sunset	Gower Pro	oject										
RUN:		Overla	oping 1											
BARRIER DESIGN:		INPUT	HEIGHTS						Average p	pavement type	shall be use	d unles	s	
									a State hi	ghway agency	y substantiate	s the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH	ĺ					of a differ	ent type with	approval of F	HWA.		
Receiver														
Name	No.	#DUs	Existing	No Barrier	,					With Barrier	÷			
			LAeq1h	LAeq1h			Increase over	existing	Type	Calculated	Noise Reduc	tion		
				Calculated	Crit'n		Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcu	ılated
								Sub'l Inc					minu	s
													Goal	
			dBA	dBA	dBA		dB	dB		dBA	dB	dB	dB	
Along Fountain Ave.	,	1 1	0.0	66	3.9	71	66.9	5		66.9	0.0		0	0.0
Along Gower St.	3	3 1	0.0	66	3.3	66	66.3	10	Snd Lvl	66.3	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction										
			Min	Avg	Max									
			dB	dB	dB									
All Selected		2	0.0	(	0.0	0.0								
All Impacted		1	0.0	(	0.0	0.0								
All that meet NR Goal		1	0.0	(	0.0	0.0								

INPUT: RECEIVERS								Sunset G	ower Proje	ect	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project		'						
RUN:	Overl	apping	1	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criter	ia	Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Van Ness & Hollywoof		1 1	250.0	30.0	0.00	4.92	0.00	7′	1 5.	0 0.	0 Y
Gower N/O Sunset	8	3 1	250.0	-30.0	0.00	4.92	0.00	66	3 10.	0 8.	0 Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	:t			
Eyestone Environmental							7 August	2020				
Sean Bui							<b>TNM 2.5</b>					
							Calculate	d with TNN	1 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Sunset	Gower Pro	oject								
RUN:		Overla	ping 1									
BARRIER DESIGN:		INPUT	<b>HEIGHTS</b>					Average p	pavement type	shall be use	d unless	
								a State hi	ghway agenc	y substantiate	s the us	e
ATMOSPHERICS:		68 deg	F, 50% RI	1				of a differ	ent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Van Ness & Hollywoof	1	1	0.0	68.3	3 7	1 68.3	5		68.3	0.0		0 (
Gower N/O Sunset	8	3 1	0.0	68.3	3 6	6 68.3	3 10	Snd Lvl	68.3	0.0		8 -8
Dwelling Units		# DUs	Noise Re	duction								
-			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.	0						
1												

0.0

0.0

All that meet NR Goal

INPUT: ROADWAYS							Suns	et Gower Pro	ject		
Eyestone Environmental					7 August 20	20					
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	used unles	S
PROJECT/CONTRACT:	Sunset G	ower Pro	ject				_	ighway agend			
RUN:	Overlapp	ing 2					of a diffe	rent type with	the approv	al of FHW	A
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Cor	ntrol		Segment	
				X	Υ	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00	)				

INPUT: TRAFFIC FOR LAeq1h Volumes						S	Sunset Go	ower Pr	oject			
Eyestone Environmental				7 Aug	ust 2020							
Sean Bui				TNM 2	<b>5</b>		ı					
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Sunset Gow	er Proje	ct									
RUN:	Overlapping	2										
Roadway	Points											
Name	Name	No.	Segmen	ıt								
			Autos		MTruck	S	HTrucks	5	Buses		Motorc	ycles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	•	1 184	35	C	0	52	35		0 0		0
	point2	2	2									

INPUT: RECEIVERS								Sunset G	ower Proje	ct	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project								
RUN:	Overl	apping	2	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteri	a	Active
			X	Υ	Z	above	Existing	Impact Cr	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'I	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Gordon St.	1	1 1	250.0	40.0	0.00	4.92	0.00	71	5.0	0.0	) Y
Along Sunset Blvd.	8	3 1	250.0	30.0	0.00	4.92	0.00	66	10.0	8.0	) Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	:t				
Eyestone Environmental							7 August	 2020					
Sean Bui							TNM 2.5						
							Calculated	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:	Su	ınset	Gower Pro	ject									
RUN:	Ov	verlap	ping 2										
BARRIER DESIGN:	IN	IPUT I	HEIGHTS					Average p	pavement type	shall be use	ed unless		
								a State hi	ghway agenc	y substantiat	es the us	е	
ATMOSPHERICS:	68	8 deg	F, 50% RH					of a differ	ent type with	approval of I	HWA.		
Receiver													
Name	lo. #D	)Us	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Redu	ction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculate	∌d
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Gordon St.	1	1	0.0	69.7	71	69.7	5		69.7	0.0	)	0	0.0
Along Sunset Blvd.	8	1	0.0	71.1	66	71.1	10	Snd Lvl	71.1	0.0	)	8	-8.0
Dwelling Units	#	DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0	)							
All Impacted		1	0.0	0.0	0.0								
All that meet NR Goal		1	0.0	0.0	0.0	)							

INPUT: RECEIVERS								Sunset G	ower Proje	ct	
Eyestone Environmental						11 May 20	20				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project								
RUN:	Overl	apping	2	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteria	a	Active
			X	Υ	Z	above	Existing	Impact Cr	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along Fountain Ave.	,	1 1	250.0	40.0	0.00	4.92	0.00	71	5.0	0.0	) Y
Along Gower St.	8	3 1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	) Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	et				
Eyestone Environmental							11 May 20	20					
Sean Bui							TNM 2.5						
							Calculated	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Overla	pping 2										
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement type	shall be use	d unles	s	
								a State hi	ghway agenc	y substantiate	s the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH	ĺ				of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Fountain Ave.	1	1	0.0	69	).7 7	1 69.7	7 5		69.7	0.0		0	0.0
Along Gower St.	8	3 1	0.0	69	0.0	6 69.0	10	Snd Lvl	69.0	0.0		8	-8.0
Dwelling Units		# DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	(	0.0	0							
All Impacted		1	0.0	(	0.0	0							
All that meet NR Goal		1	0.0	(	0.0	0							

INPUT: RECEIVERS								Sunset G	ower Proje	ct	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project								
RUN:	Overl	apping	2	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteri	a	Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Van Ness & Hollywood		1 1	250.0	30.0	0.00	4.92	0.00	71	5.0	0.0	) Y
Gower N/O Sunset	3	3 1	250.0	-30.0	0.00	4.92	0.00	66	3 10.0	8.0	) Y

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	et .				
Eyestone Environmental							7 August	2020					
Sean Bui							<b>TNM 2.5</b>						
							Calculate	d with TNN	l 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Overla	pping 2										
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unless	, ;	
								a State hi	ghway agenc	y substantiat	s the us	е	
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	ction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ited
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Van Ness & Hollywood	1	1	0.0	71.	1 71	71.1	5	Snd Lvl	71.1	0.0		0	0.0
Gower N/O Sunset	8	3 1	0.0	71.	1 66	71.1	10	Snd Lvl	71.1	0.0		8	-8.
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0	)							
All Impacted		2	0.0	0.0	0.0	)							

0.0

0.0

All that meet NR Goal

7 *F* 

INPUT: ROADWAYS						<u> </u>	Suns	et Gower Pro	ject		
Eyestone Environmental					7 August 20	20					
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	used unles	S
PROJECT/CONTRACT:	Sunset G	ower Pro	ject				_	ighway agend			
RUN:	Overlapp	ing 3					of a diffe	rent type with	the approv	al of FHW	A
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Cor	ntrol		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00	)				

INPUT: TRAFFIC FOR LAeq1h Volumes						S	Sunset Go	ower Pr	oject			
Eyestone Environmental				7 Aug	ust 2020							
Sean Bui				TNM 2	<b>5</b>		I					
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	<b>Sunset Gow</b>	er Proje	ct									
RUN:	Overlapping	<b>j</b> 3										
Roadway	Points											
Name	Name	No.	Segmen	it								
			Autos		MTruck	S	HTrucks	S	Buses		Motorc	ycles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	•	1 320	35	C	0	8	35		0 0		0
	point2	2	2									

							Sunset Go	ower Proje	ct	
					7 August	2020				
					TNM 2.5					
Sunse	et Gowe	er Project								
Overl	apping	3	,							
No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteri	a	Active
		X	Y	Z	above	Existing	Impact Cr	riteria	NR	in
					Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
		ft	ft	ft	ft	dBA	dBA	dB	dB	
1	1	250.0	40.0	0.00	4.92	0.00	71	5.0	0.0	) Y
3	3 1	250.0	30.0	0.00	4.92	0.00	66	10.0	8.0	) Y
	No.	Overlapping	ft 1 1 250.0	No. #DUs Coordinates (ground)  X Y  ft ft  1 1 250.0 40.0	Overlapping 3  No. #DUs Coordinates (ground)  X Y Z  ft ft ft ft  1 1 250.0 40.0 0.00	Sunset Gower Project Overlapping 3  No. #DUs Coordinates (ground)  X Y Z above Ground  ft ft ft ft ft  1 1 250.0 40.0 0.00 4.92	Sunset Gower Project Overlapping 3  No. #DUs Coordinates (ground)  X Y Z above Existing Ground LAeq1h  ft ft ft ft ft dBA  1 1 250.0 40.0 0.00 4.92 0.00	7 August 2020   TNM 2.5   Sunset Gower Project   Overlapping 3	7 August 2020   TNM 2.5	Sunset Gower Project Overlapping 3  No. #DUs Coordinates (ground)  Height Input Sound Levels and Criteria  X Y Z above Existing Impact Criteria NR  Ground LAeq1h LAeq1h Sub'l Goal  ft ft ft ft ft dBA dBA dB dB  1 1 250.0 40.0 0.00 4.92 0.00 71 5.0 0.00

RESULTS: SOUND LEVELS							Sunset Go	wer Projec	:t				
Eyestone Environmental							7 August	2020					
Sean Bui							<b>TNM 2.5</b>						
							Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	ject									
RUN:		Overla	oping 3										
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unles	s	
								a State hi	ghway agenc	y substantiate	s the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along Gordon St.	1	1	0.0	65.	3 71	65.3	5		65.3	0.0		0	0.0
Along Sunset Blvd.	8	3 1	0.0	66.	7 66	66.7	10	Snd Lvl	66.7	0.0		8	-8.0
Dwelling Units		# DUs	Noise Red	duction									
-			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.	0.0	)							
All Impacted		1	0.0	0.	0.0	)							
All that meet NR Goal		1	0.0	0.	0.0	)							

INPUT: TRAFFIC FOR LAeq1h Volumes						8	Sunset G	ower Pi	roject			
Eyestone Environmental				11 Ma	y 2020							
Sean Bui				TNM 2	.5		I					
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Sunset Go	wer Proje	ect		1							
RUN:	Overlappin	ıg 3										
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	S	HTruck	S	Buses		Motorc	ycles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1		1 320	35	(	) (	) (	8 35	5	0 (	0	0
	point2		2									

INPUT: ROADWAYS							Suns	et Gower Proj	ject		
Eyestone Environmental					11 May 2020						
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	used unles	S
PROJECT/CONTRACT:	Sunset G	ower Proje	ect				a State h	ighway agend	y substant	iates the us	se
RUN:	Overlapp	Overlapping 3 of a different type with the approval of FH							al of FHW	A	
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Cor	ntrol		Segment	
				X	Υ	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: RECEIVERS								Sunset G	ower Proje	ct	
Eyestone Environmental						7 August	2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Suns	et Gowe	er Project								
RUN:	Overl	apping	3	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteri	a	Active
			X	Υ	Z	above	Existing	Impact Cı	riteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Van Ness & Hollywood		1 1	250.0	30.0	0.00	4.92	0.00	71	5.0	0.0	) Y
Gower N/O Sunset	3	3 1	250.0	-30.0	0.00	4.92	0.00	66	3 10.0	8.0	) Y

RESULTS: SOUND LEVELS				1			Sunset Go	wer Projec	ct				
Eyestone Environmental							7 August	2020					
Sean Bui							TNM 2.5						
							Calculate	d with TNN	<b>1</b> 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Sunset	Gower Pro	oject									
RUN:		Overlap	ping 3										
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	e shall be us	ed unless		
								a State hi	ghway agenc	y substantiat	es the use	<b>}</b>	
ATMOSPHERICS:		68 deg	F, 50% RH	ĺ				of a differ	ent type with	approval of	FHWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier	•			
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Redu	ction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ted
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Van Ness & Hollywood	1	1 1	0.0	66.7	7′	1 66.7	5		66.7	7 0.0	0	0	0.0
Gower N/O Sunset	8	3 1	0.0	66.7	66	66.7	10	Snd Lvl	66.7	7 0.0	0	8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0	D							
All Impacted		1	0.0	0.0	0.0	D							
All that meet NR Goal		1	0.0	0.0	0.0								

7 *F* 



## **Project: Sunset Gower Project**

## **Construction Vibration Impacts**

Reference Levels at 25 feet are based on FTA, 2006 (Transit Noise and Vibration Impact Assessment)

Calculations using FTA procedure with n= 1.5 (for receptors 25 feet or greater)

n= **1.1** (for receptors less than 25 feet, per Caltrans procedure)

## **ON-SITE CONSTRUCTION ACTIVITIES**

Table 1: Estimated Construction Equipment Vibration Levels (PPV) - Building Damages

			Estimated Vibration Levels at nearest off-site building structures (distance in feet								
		Reference Vibration Levels at 25	Single-Story Commercial Building to the North	Two-Story Commercial Building the South	Residential buildings to the West	Residential buildings to the East	On-Site Structure	Bldg. 25			
Equipment		ft., PPV	100	65	275	60	10	25			
Large Bulldozer		0.089	0.011	0.021	0.002	0.024	0.244	0.089			
Caisson Drilling		0.089	0.011	0.021	0.002	0.024	0.244	0.089			
Loaded Trucks		0.076	0.010	0.018	0.002	0.020	0.208	0.076			
Jackhammer		0.035	0.004	0.008	0.001	0.009	0.096	0.035			
Small bulldozer		0.003	0.000	0.001	0.000	0.001	0.008	0.003			
S	ignificance Th	reshold, PPV	0.3	0.3	0.2	0.2	0.12	0.2			

Table 2: Estimated Construction Equipment Vibration Levels (VdB) - Human Annoyance

	Reference Vibration	Esti	mated Vibratio	on Levels at Of	evels at Off-Site Receptors (at note distance in feet), VdB				
	Levels at 25	R1	R2	R3	R4	R5			
Equipment	ft., VdB	60	65	275	185	385			
Large Bulldozer	87	76	75	56	61	51			
Caisson Drilling	87	76	75	56	61	51			
Loaded Trucks	86	75	74	55	60	50			
Jackhammer	79	68	67	48	53	43			
Small bulldozer	58	47	46	27	32	22			
Significand	e Threshold, VdB	72	72	72	72	75			

## **OFF-SITE CONSTRUCTION HAUL TRUCKS**

Table 3: Off-Site Haul Trucks - Building Damage

Tubic 3. Off Site Haar Hacks D	anang Damag	<b>-</b>									
	Reference Vibration	n Estimated Vibration Levels at noted distance in feet, PPV									
Equipment	Levels at 50 ft., PPV	20									
Typical road surface	0.00565	0.022									
Significance T	hreshold, PPV	0.12									

Ref. Levels based on FTA Figure 7-3 (converted from VdB to PPV)

Table 4: Off-Site Haul Trucks - Human Annoyance

	Reference Vibration	Estimated Vibration Levels at noted distance in feet, VdB										
Equipment	Levels at 50 ft., VdB	30	27									
Typical road surface	63	70	71									
Significance T	hreshold, VdB	72	72									

Ref. Levels based on FTA Figure 7-3

Date Printed: 8/7/2020