Appendix I

Noise Analysis Data

Field Noise Measurement Data Sheets

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT 8850 SUNSET BLVD — PROJECT # 11935
SITE ID
SITE ADDRESS — OBSERVER(S) PETE VITAR
START DATE 7/11/19 — END DATE 7/11/19
START TIME — END TIME

METEOROLOGICAL CONDITIONS
TEMP 70 F — HUMIDITY 70 % R.H. — WIND (CALM) LIGHT MODERATE
WINDSPD — MPH — DIR. N NE E SE S SW W NW — VARIABLE STEADY GUSTY
SKY (SUNNY) (CLEAR) OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT PICCOLO SLM-3 — TYPE 1 2 — SERIAL # 13092 7046
CALIBRATOR BSVA CA 114 — SERIAL # 480151
CALIBRATION CHECK — PRE-TEST ____ dBA SPL — POST-TEST ____ dBA SPL — WINDSCRN YES

SETTINGS A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

	REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST1)	1-2	9:30	9:46	70.7	91.0	64.0				

COMMENTS
READING TAKEN IN FRONT OF 8850 W. SUNSET BLVD (RETAIL/COMMERCIAL); PRIMARY NOISE SOURCE IS TRAFFIC ON SUNSET BLVD;

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR EOP: 5'
TRAFFIC COUNT DURATION: 15 MIN — SPEED

COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED
	AUTOS	795			
	MED TRKS	5			
	HVY TRKS	11			
	BUSES	12			
	MOTRCLS	2			

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ✓

COUNT 2 (OR RDWY 2)	MIN	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN (HARD) SOFT MIXED FLAT OTHER:
PHOTOS 5166; 5167; 5168; 5169;
OTHER COMMENTS / SKETCH

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT 8850 SUNSET BLVD — PROJECT # 11935
SITE ID
SITE ADDRESS — OBSERVER(S) PETE VITAR
START DATE 7/11/19 — END DATE 7/11/19
START TIME — END TIME

METEOROLOGICAL CONDITIONS
TEMP 70 F — HUMIDITY 70 % R.H. — WIND (CALM) LIGHT MODERATE
WINDSPD — MPH — DIR. N NE S SE S SW W NW — VARIABLE STEADY GUSTY
SKY (SUNNY) (CLEAR) OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT PICCOLO SLM-3 — TYPE 1 2 — SERIAL # 13092 7046
CALIBRATOR BSVA CA 114 — SERIAL # 480151
CALIBRATION CHECK — PRE-TEST ____ dBA SPL — POST-TEST ____ dBA SPL — WINDSCRN YES

SETTINGS A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST2) 3-4	9:55	10:11	66.8	86.2	60.2				

COMMENTS
READING TAKE AT WESTERN PROPERTY LINE OF 8878 W. SUNSET BLVD (RETAIL/COMMERCIAL), ON N. SAN VICENTE BLVD SIDE AT BACK PARKING LOT; PRIMARY NOISE SOURCE IS TRAFFIC ON N. SAN VICENTE BLVD; SECONDARY IS TRAFFIC ON SUNSET BLVD;

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR (EOP): 10'
TRAFFIC COUNT DURATION: 15 MIN — SPEED ____ MIN — SPEED

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED
AUTOS	159			
MED TRKS	6			
HVY TRKS	1			
BUSES	4			
MOTRCLS	0			

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ☐

COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN (HARD) SOFT MIXED FLAT OTHER:
PHOTOS 5171; 5172; 5173; 5174; 5175; 5176
OTHER COMMENTS / SKETCH

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT 8850 SUNSET BLVD — PROJECT # 11935
SITE ID
SITE ADDRESS — OBSERVER(S) PETE VITAR
START DATE 7/11/19 — END DATE 7/11/19
START TIME — END TIME

METEOROLOGICAL CONDITIONS
TEMP 73 F — HUMIDITY 62 % R.H. — WIND (CALM) LIGHT MODERATE
WINDSPD — MPH — DIR. N NE S SE S SW W NW — VARIABLE STEADY GUSTY
SKY (SUNNY) (CLEAR) OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT PICCOLO SLM-3 — TYPE 1 2 — SERIAL # 13092 7046
CALIBRATOR B&K CA 114 — SERIAL # 480151
CALIBRATION CHECK — PRE-TEST ____ dBA SPL — POST-TEST ____ dBA SPL — WINDSCRN YES

SETTINGS A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST3) 5-6	10:26	10:41	64.8	87.7	50.0				

COMMENTS
READING TAKEN IN FRONT OF 1019 N. SAN VICENTE BLVD (RESIDENTIAL); PRIMARY NOISE SOURCE IS TRAFFIC ON N. SAN VICENTE BL.; SECONDARY IS TRAFFIC ON SUNSET BLVD

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR EOP: (5')
TRAFFIC COUNT DURATION: 15 MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED
AUTOS	158			
MED TRKS	8			
HVY TRKS	1			
BUSES	5			
MOTRCLS	0			

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ✓

COUNT 2 (OR RDWY 2)	MIN	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN HARD SOFT (MIXED) FLAT OTHER:
PHOTOS 5178; 5179; 5180; 5181; 5182; 5183;
OTHER COMMENTS / SKETCH

FIELD NOISE MEASUREMENT DATA

DUDEK

PROJECT 8850 SUNSET BLVD PROJECT # 11935
SITE ID
SITE ADDRESS
START DATE 7/11/19 END DATE 7/11/19 OBSERVER(S) PETE VITAR
START TIME END TIME

METEOROLOGICAL CONDITIONS
TEMP 75 F HUMIDITY 57 % R.H. WIND (CALM) LIGHT MODERATE
WINDSPD MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
SKY (SUNNY) (CLEAR) OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT PICCOLO SLM-3 TYPE 1 2 SERIAL # 13092 7046
CALIBRATOR B&K CA 114 SERIAL # 480151
CALIBRATION CHECK PRE-TEST dBA SPL POST-TEST dBA SPL WINDSCRN YES

SETTINGS A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST4) 8-9	10:58	11:13	65.6	91.6	54.8				

COMMENTS
READING TAKEN IN FRONT OF 1020 N. SAN VICENTE BLVD (HOTEL); PRIMARY NOISE SOURCE IS TRAFFIC ON SAN VICENTE BLVD; SECONDARY IS CONSTRUCTION WORK (BOBCAT) BEING DONE IN LOT NORTH OF HARRATT ST.

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR (EOP) 10'
TRAFFIC COUNT DURATION: 15 MIN SPEED ___ MIN SPEED

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	163			
MED TRKS	2			
HVY TRKS	1			
BUSES	4			
MOTRCLS	2			

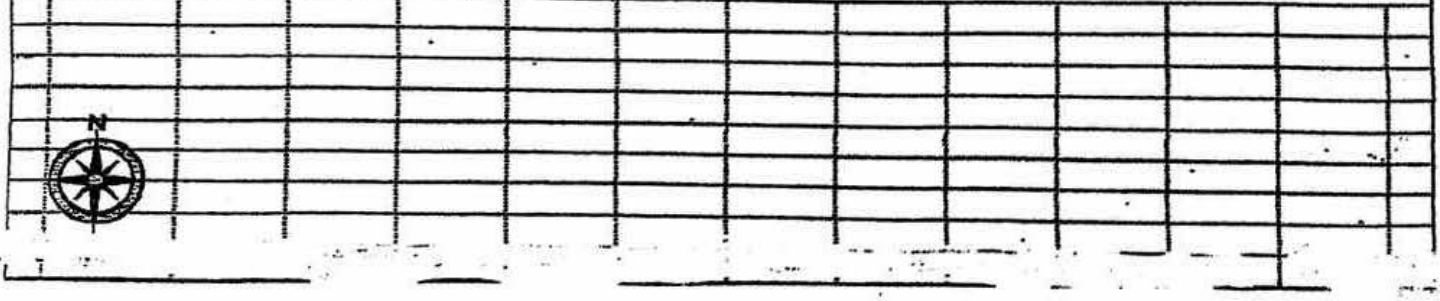
IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ☐

COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN (HARD) SOFT MIXED FLAT OTHER:
PHOTOS 5185; 5186; 5187; 5188;
OTHER COMMENTS / SKETCH



DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT 8850 SUNSET BLVD
SITE ID
SITE ADDRESS
START DATE 7/11/19 END DATE 7/11/19
START TIME END TIME
PROJECT # 11935
OBSERVER(S) PETE VITAR

METEOROLOGICAL CONDITIONS
TEMP 75 F HUMIDITY 57 % R.H. WIND (CALM) LIGHT MODERATE
WINDSPD MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
SKY (SUNNY) (CLEAR) OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT PICCOLO SLM-3 TYPE 1 2 SERIAL # 13092 7046
CALIBRATOR B5VA CA 114 SERIAL # 480151
CALIBRATION CHECK PRE-TEST dBA SPL POST-TEST dBA SPL WINDSCRN YES

SETTINGS A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST5) 12-17	11:35	11:50	63.2	75.9	58.5				

COMMENTS
READING TAKEN IN FRONT OF 1014 LARRABEE ST (RESIDENTIAL).
PRIMARY NOISE SOURCE IS TRAFFIC ON LARRABEE ST & SUNSET BLVD.

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR (EOP): 15'
TRAFFIC COUNT DURATION: 15 MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB
AUTOS	50			
MED TRKS	0			
HVY TRKS	0			
BUSES	0			
MOTRCLS	0			

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE

COUNT 2 (OR RDWY 2)	MIN NB/EB	MIN SB/WB	SPEED NB/EB	SPEED SB/WB

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING (DIST. CONVRSTNS/ YELLING) DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN HARD SOFT (MIXED) FLAT OTHER:
PHOTOS 5197; 5198; 5199; 5200; 5201; 5202
OTHER COMMENTS / SKETCH

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT 8850 SUNSET BLVD
PROJECT # 11935
SITE ID
OBSERVER(S) PETE VITAR
SITE ADDRESS
START DATE 7/11/19 END DATE 7/11/19
START TIME END TIME

METEOROLOGICAL CONDITIONS
TEMP 79 F HUMIDITY 50 % R.H. WIND (CALM) LIGHT MODERATE
WINDSPD MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
SKY (SUNNY) (CLEAR) OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT PICCOLO SLM-3 TYPE 1 2 SERIAL # 130927046
CALIBRATOR BSVA CA 114 SERIAL # 480151
CALIBRATION CHECK PRE-TEST dBA SPL POST-TEST dBA SPL WINDSCRN YES

SETTINGS A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

	REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST4)	14-15	11:53	12:09	64.2	88.1	51.0				

COMMENTS
READING TAKEN IN FRONT OF 1111 LARRABEE ST (RESIDENTIAL);
PRIMARY NOISE SOURCE IS TRAFFIC ON SUNSET BLVD;

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR (EOP): 10' FROM LARRABEE EOP
(APX 120' FROM SUNSET BL EOP)
TRAFFIC COUNT DURATION: 15 MIN

COUNT 1 (OR RDWY 1)

DIRECTION	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB
AUTOS	17			
MED TRKS	0			
HVY TRKS	0			
BUSES	0			
MOTRCLS	0			

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ✓

COUNT 2 (OR RDWY 2)

DIRECTION	MIN NB/EB	MIN SB/WB	SPEED NB/EB	SPEED SB/WB
AUTOS				
MED TRKS				
HVY TRKS				
BUSES				
MOTRCLS				

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING (DIST. CONVRSTNS / YELLING) DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
(OTHER:) GARBAGE TRUCK BACK UP ALARMS IN AREA

DESCRIPTION / SKETCH
TERRAIN HARD SOFT (MIXED) FLAT OTHER:
PHOTOS 5204; 5205; 5206; 5207; 5208
OTHER COMMENTS / SKETCH

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT 8850 SUNSET BLVD — PROJECT # 11935
SITE ID
SITE ADDRESS — OBSERVER(S) PETE VITAR
START DATE 7/11/19 — END DATE 7/11/19
START TIME — END TIME

METEOROLOGICAL CONDITIONS
TEMP 75 F — HUMIDITY 57 % R.H. — WIND (CALM) LIGHT MODERATE
WINDSPD — MPH — DIR. N NE S SE S SW W NW — VARIABLE STEADY GUSTY
SKY (SUNNY) (CLEAR) — OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT PICCOLO SLM-3 — TYPE 1 2 — SERIAL # 13092 7046
CALIBRATOR BSVA CA 114 — SERIAL # 480151
CALIBRATION CHECK — PRE-TEST ____ dBA SPL — POST-TEST ____ dBA SPL — WINDSCRN YES

SETTINGS — A-WTD (SLOW) FAST — FRONTAL RANDOM ANSI — OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST7) 10-11	11:18	11:33	57.0	80.6	50.6				

COMMENTS
READING TAKEN IN PARKING LOT AT SOUTH PROPERTY LINE OF PROPOSED PROJECT, ALONGSIDE LONDON HOTEL LOBBY ENTRANCE; PRIMARY NOISE SOURCE IS TRAFFIC ON N. SAN VICENTE AVE & SUNSET BLVD; SECONDARY IS CARS/CONVERSATIONS AROUND HOTEL LOBBY ENTRANCE

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR EOP: —

TRAFFIC COUNT DURATION: — MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB
AUTOS				
MED TRKS				
HVY TRKS				
BUSES				
MOTRCLS				

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE —

COUNT 2 (OR RDWY 2)	MIN NB/EB	MIN SB/WB	SPEED NB/EB	SPEED SB/WB

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN (HARD) SOFT MIXED FLAT OTHER:
PHOTOS 5190; 5191; 5192; 5193; 5194; 5195;
OTHER COMMENTS / SKETCH

Construction Noise Model Input / Output

Report date: 2/18/2021
Case Description: 8850 Sunset Blvd - Demolition Rev 0221

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
London Hotel	Residential	65	60	55

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Saw	No	20		89.6	25	0
Tractor	No	40	84		50	0
Dozer	No	40		81.7	50	0
Water Truck	No	40		76	75	0
Excavator	No	40		80.7	75	0
Concrete Saw	No	20		89.6	100	0
Dozer	No	40	85		100	0
Tractor	No	40	84		125	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	95.6	88.6	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A
Dozer	81.7	77.7	N/A	N/A	N/A	N/A
Water Truck	72.5	68.5	N/A	N/A	N/A	N/A
Excavator	77.2	73.2	N/A	N/A	N/A	N/A
Concrete Saw	83.6	76.6	N/A	N/A	N/A	N/A
Dozer	79	75	N/A	N/A	N/A	N/A
Tractor	76	72.1	N/A	N/A	N/A	N/A
Total	95.6	90	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences West	Residential	65	60	55

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Saw	No	20		89.6	75	0
Tractor	No	40	84		100	0
Dozer	No	40		81.7	100	0
Water Truck	No	40		76	125	0

Excavator	No	40		80.7	125	0
Concrete Saw	No	20		89.6	100	0
Dozer	No	40	85		100	0
Tractor	No	40	84		125	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	86.1	79.1	N/A	N/A	N/A	N/A
Tractor	78	74	N/A	N/A	N/A	N/A
Dozer	75.6	71.7	N/A	N/A	N/A	N/A
Water Truck	68	64.1	N/A	N/A	N/A	N/A
Excavator	72.8	68.8	N/A	N/A	N/A	N/A
Concrete Saw	83.6	76.6	N/A	N/A	N/A	N/A
Dozer	79	75	N/A	N/A	N/A	N/A
Tractor	76	72.1	N/A	N/A	N/A	N/A
Total	86.1	83.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences East	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	65	0
Tractor	No	40	84		90	0
Dozer	No	40		81.7	90	0
Water Truck	No	40		76	115	0
Excavator	No	40		80.7	115	0
Concrete Saw	No	20		89.6	100	0
Dozer	No	40	85		100	0
Tractor	No	40	84		125	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	87.3	80.3	N/A	N/A	N/A	N/A
Tractor	78.9	74.9	N/A	N/A	N/A	N/A
Dozer	76.6	72.6	N/A	N/A	N/A	N/A
Water Truck	68.8	64.8	N/A	N/A	N/A	N/A
Excavator	73.5	69.5	N/A	N/A	N/A	N/A
Concrete Saw	83.6	76.6	N/A	N/A	N/A	N/A
Dozer	79	75	N/A	N/A	N/A	N/A
Tractor	76	72.1	N/A	N/A	N/A	N/A
Total	87.3	84.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
School to southwest	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	280	0
Tractor	No	40	84		280	0
Dozer	No	40		81.7	300	0
Water Truck	No	40		76	300	0
Excavator	No	40		80.7	320	0
Concrete Saw	No	20		89.6	320	0
Dozer	No	40	85		340	0
Tractor	No	40	84		340	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	74.6	67.6	N/A	N/A	N/A	N/A
Tractor	69	65.1	N/A	N/A	N/A	N/A
Dozer	66.1	62.1	N/A	N/A	N/A	N/A
Water Truck	60.4	56.5	N/A	N/A	N/A	N/A
Excavator	64.6	60.6	N/A	N/A	N/A	N/A
Concrete Saw	73.5	66.5	N/A	N/A	N/A	N/A
Dozer	68.3	64.4	N/A	N/A	N/A	N/A
Tractor	67.3	63.4	N/A	N/A	N/A	N/A
Total	74.6	73.3	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences North	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	130	10
Tractor	No	40	84		130	10
Dozer	No	40		81.7	150	10
Water Truck	No	40		76	150	10
Excavator	No	40		80.7	170	10
Concrete Saw	No	20		89.6	170	10
Dozer	No	40	85		190	10
Tractor	No	40	84		190	10

Results

Calculated (dBA)			Noise Limits (dBA)

				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw		71.3	64.3	N/A	N/A	N/A	N/A
Tractor		65.7	61.7	N/A	N/A	N/A	N/A
Dozer		62.1	58.1	N/A	N/A	N/A	N/A
Water Truck		56.5	52.5	N/A	N/A	N/A	N/A
Excavator		60.1	56.1	N/A	N/A	N/A	N/A
Concrete Saw		69	62	N/A	N/A	N/A	N/A
Dozer		63.4	59.4	N/A	N/A	N/A	N/A
Tractor		62.4	58.4	N/A	N/A	N/A	N/A
	Total	71.3	69.3	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 2/18/2021
Case Description: 8850 Sunset Blvd - Grading_Excvtn Rev 0221

				---- Receptor #1 ----	
		Baselines (dBA)			
Description	Land Use	Daytime	Evening	Night	
London Hotel	Residential	65	60	55	

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Tractor	No	40	84		25	0
Drill Rig Truck	No	20		79.1	50	0
Trencher	No	50		80	50	0
Dozer	No	40		81.7	75	0
Water Truck	No	40		76	75	0
Concrete Pump Truck	No	20		81.4	100	0
Excavator	No	40		80.7	100	0
Tractor	No	40	84		125	0
Auger Drill Rig	No	20		84.4	125	0
Excavator	No	40		80.7	150	0

			Results			
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	90	86	N/A	N/A	N/A	N/A
Drill Rig Truck	79.1	72.2	N/A	N/A	N/A	N/A
Trencher	80	77	N/A	N/A	N/A	N/A
Dozer	78.1	74.2	N/A	N/A	N/A	N/A
Water Truck	72.5	68.5	N/A	N/A	N/A	N/A
Concrete Pump Truck	75.4	68.4	N/A	N/A	N/A	N/A
Excavator	74.7	70.7	N/A	N/A	N/A	N/A
Tractor	76	72.1	N/A	N/A	N/A	N/A

Auger Drill Rig		76.4	69.4	N/A	N/A	N/A	N/A
Excavator		71.2	67.2	N/A	N/A	N/A	N/A
	Total	90	87.4	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences West	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		75	0
Drill Rig Truck	No	20		79.1	100	0
Trencher	No	50		80	100	0
Dozer	No	40		81.7	125	0
Water Truck	No	40		76	125	0
Concrete Pump Truck	No	20		81.4	100	0
Excavator	No	40		80.7	100	0
Tractor	No	40	84		125	0
Auger Drill Rig	No	20		84.4	125	0
Excavator	No	40		80.7	150	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	80.5	76.5	N/A	N/A	N/A	N/A
Drill Rig Truck	73.1	66.1	N/A	N/A	N/A	N/A
Trencher	74	71	N/A	N/A	N/A	N/A
Dozer	73.7	69.7	N/A	N/A	N/A	N/A
Water Truck	68	64.1	N/A	N/A	N/A	N/A
Concrete Pump Truck	75.4	68.4	N/A	N/A	N/A	N/A
Excavator	74.7	70.7	N/A	N/A	N/A	N/A
Tractor	76	72.1	N/A	N/A	N/A	N/A
Auger Drill Rig	76.4	69.4	N/A	N/A	N/A	N/A
Excavator	71.2	67.2	N/A	N/A	N/A	N/A
Total	80.5	80.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences East	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		65	0
Drill Rig Truck	No	20		79.1	90	0

Trencher	No	50		80	90	0
Dozer	No	40		81.7	115	0
Water Truck	No	40		76	115	0
Concrete Pump Truck	No	20		81.4	100	0
Excavator	No	40		80.7	100	0
Tractor	No	40	84		125	0
Auger Drill Rig	No	20		84.4	125	0
Excavator	No	40		80.7	150	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	81.7	77.7	N/A	N/A	N/A	N/A
Drill Rig Truck	74	67	N/A	N/A	N/A	N/A
Trencher	74.9	71.9	N/A	N/A	N/A	N/A
Dozer	74.4	70.5	N/A	N/A	N/A	N/A
Water Truck	68.8	64.8	N/A	N/A	N/A	N/A
Concrete Pump Truck	75.4	68.4	N/A	N/A	N/A	N/A
Excavator	74.7	70.7	N/A	N/A	N/A	N/A
Tractor	76	72.1	N/A	N/A	N/A	N/A
Auger Drill Rig	76.4	69.4	N/A	N/A	N/A	N/A
Excavator	71.2	67.2	N/A	N/A	N/A	N/A
Total	81.7	81.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
School to southwest	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		280	0
Drill Rig Truck	No	20		79.1	280	0
Trencher	No	50		80	300	0
Dozer	No	40		81.7	300	0
Water Truck	No	40		76	320	0
Concrete Pump Truck	No	20		81.4	320	0
Excavator	No	40		80.7	340	0
Tractor	No	40	84		340	0
Auger Drill Rig	No	20		84.4	360	0
Excavator	No	40		80.7	360	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	69	65.1	N/A	N/A	N/A	N/A
Drill Rig Truck	64.2	57.2	N/A	N/A	N/A	N/A
Trencher	64.4	61.4	N/A	N/A	N/A	N/A

Dozer		66.1	62.1	N/A	N/A	N/A	N/A
Water Truck		59.9	55.9	N/A	N/A	N/A	N/A
Concrete Pump Truck		65.3	58.3	N/A	N/A	N/A	N/A
Excavator		64.1	60.1	N/A	N/A	N/A	N/A
Tractor		67.3	63.4	N/A	N/A	N/A	N/A
Auger Drill Rig		67.2	60.2	N/A	N/A	N/A	N/A
Excavator		63.6	59.6	N/A	N/A	N/A	N/A
	Total	69	71.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences North	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		130	10
Drill Rig Truck	No	20		79.1	130	10
Trencher	No	50		80	150	10
Dozer	No	40		81.7	150	10
Water Truck	No	40		76	170	10
Concrete Pump Truck	No	20		81.4	170	10
Excavator	No	40		80.7	190	10
Tractor	No	40	84		190	10
Auger Drill Rig	No	20		84.4	210	10
Excavator	No	40		80.7	210	10

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	65.7	61.7	N/A	N/A	N/A	N/A
Drill Rig Truck	60.8	53.9	N/A	N/A	N/A	N/A
Trencher	60.5	57.4	N/A	N/A	N/A	N/A
Dozer	62.1	58.1	N/A	N/A	N/A	N/A
Water Truck	55.4	51.4	N/A	N/A	N/A	N/A
Concrete Pump Truck	60.8	53.8	N/A	N/A	N/A	N/A
Excavator	59.1	55.1	N/A	N/A	N/A	N/A
Tractor	62.4	58.4	N/A	N/A	N/A	N/A
Auger Drill Rig	61.9	54.9	N/A	N/A	N/A	N/A
Excavator	58.2	54.3	N/A	N/A	N/A	N/A
Total	65.7	66.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Report date: 2/18/2021
Case Description: 8850 Sunset Blvd - Bldg Constn Rev 0221

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
London Hotel	Residential	65	60	55

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Tractor	No	40	84		25	0
Concrete Pump Truck	No	20		81.4	50	0
Forklift	No	20		75	50	0
Tractor	No	40	84		75	0
Welder / Torch	No	40		74	75	0
Welder / Torch	No	40		74	75	0
Compressor (air)	No	40		77.7	100	0
Compressor (air)	No	40		77.7	100	0
Man Lift	No	20		74.7	100	0
Man Lift	No	20		74.7	100	0
Crane	No	16		80.6	125	0
Forklift	No	20		75	125	0

			Results			
		Calculated (dBA)		Noise Limits (dBA)		
			Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		90	86	N/A	N/A	N/A	N/A
Concrete Pump Truck		81.4	74.4	N/A	N/A	N/A	N/A
Forklift		75	68	N/A	N/A	N/A	N/A
Tractor		80.5	76.5	N/A	N/A	N/A	N/A
Welder / Torch		70.5	66.5	N/A	N/A	N/A	N/A
Welder / Torch		70.5	66.5	N/A	N/A	N/A	N/A
Compressor (air)		71.6	67.7	N/A	N/A	N/A	N/A
Compressor (air)		71.6	67.7	N/A	N/A	N/A	N/A
Man Lift		68.7	61.7	N/A	N/A	N/A	N/A
Man Lift		68.7	61.7	N/A	N/A	N/A	N/A
Crane		72.6	64.6	N/A	N/A	N/A	N/A
Forklift		67	60.1	N/A	N/A	N/A	N/A
	Total	90	87.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences West	Residential	65	60	55

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

Tractor	No	40	84		75	0
Concrete Pump Truck	No	20		81.4	100	0
Forklift	No	20		75	100	0
Tractor	No	40	84		125	0
Welder / Torch	No	40		74	125	0
Welder / Torch	No	40		74	125	0
Compressor (air)	No	40		77.7	100	0
Compressor (air)	No	40		77.7	100	0
Man Lift	No	20		74.7	100	0
Man Lift	No	20		74.7	100	0
Crane	No	16		80.6	125	0
Forklift	No	20		75	125	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	80.5	76.5	N/A	N/A	N/A	N/A
Concrete Pump Truck	75.4	68.4	N/A	N/A	N/A	N/A
Forklift	69	62	N/A	N/A	N/A	N/A
Tractor	76	72.1	N/A	N/A	N/A	N/A
Welder / Torch	66	62.1	N/A	N/A	N/A	N/A
Welder / Torch	66	62.1	N/A	N/A	N/A	N/A
Compressor (air)	71.6	67.7	N/A	N/A	N/A	N/A
Compressor (air)	71.6	67.7	N/A	N/A	N/A	N/A
Man Lift	68.7	61.7	N/A	N/A	N/A	N/A
Man Lift	68.7	61.7	N/A	N/A	N/A	N/A
Crane	72.6	64.6	N/A	N/A	N/A	N/A
Forklift	67	60.1	N/A	N/A	N/A	N/A
Total	80.5	79.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences East	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		65	0
Concrete Pump Truck	No	20		81.4	90	0
Forklift	No	20		75	90	0
Tractor	No	40	84		115	0
Welder / Torch	No	40		74	115	0
Welder / Torch	No	40		74	115	0
Compressor (air)	No	40		77.7	100	0
Compressor (air)	No	40		77.7	100	0
Man Lift	No	20		74.7	100	0
Man Lift	No	20		74.7	100	0
Crane	No	16		80.6	125	0
Forklift	No	20		75	125	0

		Results					
		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		81.7	77.7	N/A	N/A	N/A	N/A
Concrete Pump Truck		76.3	69.3	N/A	N/A	N/A	N/A
Forklift		69.9	62.9	N/A	N/A	N/A	N/A
Tractor		76.8	72.8	N/A	N/A	N/A	N/A
Welder / Torch		66.8	62.8	N/A	N/A	N/A	N/A
Welder / Torch		66.8	62.8	N/A	N/A	N/A	N/A
Compressor (air)		71.6	67.7	N/A	N/A	N/A	N/A
Compressor (air)		71.6	67.7	N/A	N/A	N/A	N/A
Man Lift		68.7	61.7	N/A	N/A	N/A	N/A
Man Lift		68.7	61.7	N/A	N/A	N/A	N/A
Crane		72.6	64.6	N/A	N/A	N/A	N/A
Forklift		67	60.1	N/A	N/A	N/A	N/A
	Total	81.7	80.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

		---- Receptor #4 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
School to southwest	Residential	65	60	55

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Tractor	No	40	84		280	0
Concrete Pump Truck	No	20		81.4	280	0
Forklift	No	20		75	300	0
Tractor	No	40	84		300	0
Welder / Torch	No	40		74	320	0
Welder / Torch	No	40		74	320	0
Compressor (air)	No	40		77.7	320	0
Compressor (air)	No	40		77.7	320	0
Man Lift	No	20		74.7	340	0
Man Lift	No	20		74.7	340	0
Crane	No	16		80.6	340	0
Forklift	No	20		75	360	0

	Results					
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	69	65.1	N/A	N/A	N/A	N/A
Concrete Pump Truck	66.4	59.4	N/A	N/A	N/A	N/A
Forklift	59.4	52.4	N/A	N/A	N/A	N/A
Tractor	68.4	64.5	N/A	N/A	N/A	N/A
Welder / Torch	57.9	53.9	N/A	N/A	N/A	N/A
Welder / Torch	57.9	53.9	N/A	N/A	N/A	N/A
Compressor (air)	61.5	57.6	N/A	N/A	N/A	N/A

Compressor (air)		61.5	57.6	N/A	N/A	N/A	N/A
Man Lift		58	51.1	N/A	N/A	N/A	N/A
Man Lift		58	51.1	N/A	N/A	N/A	N/A
Crane		63.9	55.9	N/A	N/A	N/A	N/A
Forklift		57.9	50.9	N/A	N/A	N/A	N/A
	Total	69	69.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences North	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		130	10
Concrete Pump Truck	No	20		81.4	130	10
Forklift	No	20		75	150	10
Tractor	No	40	84		150	10
Welder / Torch	No	40		74	170	10
Welder / Torch	No	40		74	170	10
Compressor (air)	No	40		77.7	170	10
Compressor (air)	No	40		77.7	170	10
Man Lift	No	20		74.7	190	10
Man Lift	No	20		74.7	190	10
Crane	No	16		80.6	190	10
Forklift	No	20		75	210	10

			Results			
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	65.7	61.7	N/A	N/A	N/A	N/A
Concrete Pump Truck	63.1	56.1	N/A	N/A	N/A	N/A
Forklift	55.5	48.5	N/A	N/A	N/A	N/A
Tractor	64.5	60.5	N/A	N/A	N/A	N/A
Welder / Torch	53.4	49.4	N/A	N/A	N/A	N/A
Welder / Torch	53.4	49.4	N/A	N/A	N/A	N/A
Compressor (air)	57	53.1	N/A	N/A	N/A	N/A
Compressor (air)	57	53.1	N/A	N/A	N/A	N/A
Man Lift	53.1	46.1	N/A	N/A	N/A	N/A
Man Lift	53.1	46.1	N/A	N/A	N/A	N/A
Crane	59	51	N/A	N/A	N/A	N/A
Forklift	52.5	45.5	N/A	N/A	N/A	N/A
Total	65.7	65.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Report date: 2/18/2021
Case Description: 8850 Sunset Blvd - Paving_Finishing Rev 0221

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
London Hotel	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Cement & Morter Mixer	No	50		80	25	0
Skid Steer Loader	No	40		79	50	0
Paver	No	50		77.2	50	0

	Results Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Cement & Morter Mixer	86	83	N/A	N/A	N/A	N/A
Skid Steer Loader	79	75	N/A	N/A	N/A	N/A
Paver	77.2	74.2	N/A	N/A	N/A	N/A
Total	86	84.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences West	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Cement & Morter Mixer	No	50		80	75	0
Skid Steer Loader	No	40		79	100	0
Paver	No	50		77.2	100	0

	Results Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Cement & Morter Mixer	76.5	73.5	N/A	N/A	N/A	N/A
Skid Steer Loader	73	69	N/A	N/A	N/A	N/A
Paver	71.2	68.2	N/A	N/A	N/A	N/A
Total	76.5	75.7	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences East	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Cement & Morter Mixer	No	50		80	65	0
Skid Steer Loader	No	40		79	90	0
Paver	No	50		77.2	90	0

Results

		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Cement & Morter Mixer		77.7	74.7	N/A	N/A	N/A	N/A
Skid Steer Loader		73.9	69.9	N/A	N/A	N/A	N/A
Paver		72.1	69.1	N/A	N/A	N/A	N/A
	Total	77.7	76.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
School to southwest	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Cement & Morter Mixer	No	50		80	280	0
Skid Steer Loader	No	40		79	280	0
Paver	No	50		77.2	300	0

Results

		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Cement & Morter Mixer		65	62	N/A	N/A	N/A	N/A
Skid Steer Loader		64	60.1	N/A	N/A	N/A	N/A
Paver		61.7	58.6	N/A	N/A	N/A	N/A
	Total	65	65.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences North	Residential	65	60	55

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

Cement & Morter Mixer	No	50	80	130	10
Skid Steer Loader	No	40	79	130	10
Paver	No	50	77.2	150	10

	Results					
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Cement & Morter Mixer	61.7	58.7	N/A	N/A	N/A	N/A
Skid Steer Loader	60.7	56.7	N/A	N/A	N/A	N/A
Paver	57.7	54.7	N/A	N/A	N/A	N/A
Total	61.7	61.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/25/2021
Case Descr 8850 Sunset Blvd - Demolition Rev 0221 - Mitigated

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
London Ho	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	25	20
Tractor	No	40	84		50	20
Dozer	No	40		81.7	50	20
Water Truck	No	40		76	75	20
Excavator	No	40		80.7	75	20
Concrete Saw	No	20		89.6	100	20
Dozer	No	40	85		100	20
Tractor	No	40	84		125	20

Equipment	Calculated (dBA) *Lmax	Leq	Results Day Lmax	Noise Limits (dBA) Day Leq	Evening Lmax	Evening Leq
Concrete Saw	75.6	68.6	N/A	N/A	N/A	N/A
Tractor	64	60	N/A	N/A	N/A	N/A
Dozer	61.7	57.7	N/A	N/A	N/A	N/A
Water Truck	52.5	48.5	N/A	N/A	N/A	N/A
Excavator	57.2	53.2	N/A	N/A	N/A	N/A
Concrete Saw	63.6	56.6	N/A	N/A	N/A	N/A
Dozer	59	55	N/A	N/A	N/A	N/A
Tractor	56	52.1	N/A	N/A	N/A	N/A
Total	75.6	70	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences	Residential	65	60	55

			Equipment Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding

Description	Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	75	15
Tractor	No	40	84		100	15
Dozer	No	40		81.7	100	15
Water Truck	No	40		76	125	15
Excavator	No	40		80.7	125	15
Concrete Saw	No	20		89.6	100	15
Dozer	No	40	85		100	15
Tractor	No	40	84		125	15

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	71.1	64.1	N/A	N/A	N/A	N/A
Tractor	63	59	N/A	N/A	N/A	N/A
Dozer	60.6	56.7	N/A	N/A	N/A	N/A
Water Truck	53	49.1	N/A	N/A	N/A	N/A
Excavator	57.8	53.8	N/A	N/A	N/A	N/A
Concrete Saw	68.6	61.6	N/A	N/A	N/A	N/A
Dozer	64	60	N/A	N/A	N/A	N/A
Tractor	61	57.1	N/A	N/A	N/A	N/A
Total	71.1	68.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	65	18
Tractor	No	40	84		90	18
Dozer	No	40		81.7	90	18
Water Truck	No	40		76	115	18
Excavator	No	40		80.7	115	18
Concrete Saw	No	20		89.6	100	18
Dozer	No	40	85		100	18
Tractor	No	40	84		125	18

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	69.3	62.3	N/A	N/A	N/A	N/A

Tractor	60.9	56.9	N/A	N/A	N/A	N/A
Dozer	58.6	54.6	N/A	N/A	N/A	N/A
Water Truck	50.8	46.8	N/A	N/A	N/A	N/A
Excavator	55.5	51.5	N/A	N/A	N/A	N/A
Concrete Saw	65.6	58.6	N/A	N/A	N/A	N/A
Dozer	61	57	N/A	N/A	N/A	N/A
Tractor	58	54.1	N/A	N/A	N/A	N/A
Total	69.3	66.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
School to s	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	280	10
Tractor	No	40	84		280	10
Dozer	No	40		81.7	300	10
Water Truck	No	40		76	300	10
Excavator	No	40		80.7	320	10
Concrete Saw	No	20		89.6	320	10
Dozer	No	40	85		340	10
Tractor	No	40	84		340	10

	Calculated (dBA)		Results Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	64.6	57.6	N/A	N/A	N/A	N/A
Tractor	59	55.1	N/A	N/A	N/A	N/A
Dozer	56.1	52.1	N/A	N/A	N/A	N/A
Water Truck	50.4	46.5	N/A	N/A	N/A	N/A
Excavator	54.6	50.6	N/A	N/A	N/A	N/A
Concrete Saw	63.5	56.5	N/A	N/A	N/A	N/A
Dozer	58.3	54.4	N/A	N/A	N/A	N/A
Tractor	57.3	53.4	N/A	N/A	N/A	N/A
Total	64.6	63.3	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	130	15
Tractor	No	40	84		130	15
Dozer	No	40		81.7	150	15
Water Truck	No	40		76	150	15
Excavator	No	40		80.7	170	15
Concrete Saw	No	20		89.6	170	15
Dozer	No	40	85		190	15
Tractor	No	40	84		190	15

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	66.3	59.3	N/A	N/A	N/A	N/A
Tractor	60.7	56.7	N/A	N/A	N/A	N/A
Dozer	57.1	53.1	N/A	N/A	N/A	N/A
Water Truck	51.5	47.5	N/A	N/A	N/A	N/A
Excavator	55.1	51.1	N/A	N/A	N/A	N/A
Concrete Saw	64	57	N/A	N/A	N/A	N/A
Dozer	58.4	54.4	N/A	N/A	N/A	N/A
Tractor	57.4	53.4	N/A	N/A	N/A	N/A
Total	66.3	64.3	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/25/2021
Case Descr 8850 Sunset Blvd - Grading_Excvtn Rev 0221 Mtgtd

---- Receptor #1 ----

		Baselines (dBA)		
Descriptior	Land Use	Daytime	Evening	Night
London Ho	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		25	20
Drill Rig Truck	No	20		79.1	50	20

Trencher	No	50	80	50	20
Dozer	No	40	81.7	75	20
Water Truck	No	40	76	75	20
Concrete Pump Truck	No	20	81.4	100	20
Excavator	No	40	80.7	100	20
Tractor	No	40	84	125	20
Auger Drill Rig	No	20	84.4	125	20
Excavator	No	40	80.7	150	20

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	70	66	N/A	N/A	N/A	N/A
Drill Rig Truck	59.1	52.2	N/A	N/A	N/A	N/A
Trencher	60	57	N/A	N/A	N/A	N/A
Dozer	58.1	54.2	N/A	N/A	N/A	N/A
Water Truck	52.5	48.5	N/A	N/A	N/A	N/A
Concrete Pump Truck	55.4	48.4	N/A	N/A	N/A	N/A
Excavator	54.7	50.7	N/A	N/A	N/A	N/A
Tractor	56	52.1	N/A	N/A	N/A	N/A
Auger Drill Rig	56.4	49.4	N/A	N/A	N/A	N/A
Excavator	51.2	47.2	N/A	N/A	N/A	N/A
Total	70	67.4	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		75	15
Drill Rig Truck	No	20		79.1	100	15
Trencher	No	50		80	100	15
Dozer	No	40		81.7	125	15
Water Truck	No	40		76	125	15
Concrete Pump Truck	No	20		81.4	100	15
Excavator	No	40		80.7	100	15
Tractor	No	40	84		125	15
Auger Drill Rig	No	20		84.4	125	15
Excavator	No	40		80.7	150	15

Results

	Calculated (dBA)		Noise Limits (dBA)			

			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	65.5	61.5	N/A	N/A	N/A	N/A
Drill Rig Truck	58.1	51.1	N/A	N/A	N/A	N/A
Trencher	59	56	N/A	N/A	N/A	N/A
Dozer	58.7	54.7	N/A	N/A	N/A	N/A
Water Truck	53	49.1	N/A	N/A	N/A	N/A
Concrete Pump Truck	60.4	53.4	N/A	N/A	N/A	N/A
Excavator	59.7	55.7	N/A	N/A	N/A	N/A
Tractor	61	57.1	N/A	N/A	N/A	N/A
Auger Drill Rig	61.4	54.4	N/A	N/A	N/A	N/A
Excavator	56.2	52.2	N/A	N/A	N/A	N/A
Total	65.5	65.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		65	18
Drill Rig Truck	No	20		79.1	90	18
Trencher	No	50		80	90	18
Dozer	No	40		81.7	115	18
Water Truck	No	40		76	115	18
Concrete Pump Truck	No	20		81.4	100	18
Excavator	No	40		80.7	100	18
Tractor	No	40	84		125	18
Auger Drill Rig	No	20		84.4	125	18
Excavator	No	40		80.7	150	18

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	63.7	59.7	N/A	N/A	N/A	N/A
Drill Rig Truck	56	49	N/A	N/A	N/A	N/A
Trencher	56.9	53.9	N/A	N/A	N/A	N/A
Dozer	56.4	52.5	N/A	N/A	N/A	N/A
Water Truck	50.8	46.8	N/A	N/A	N/A	N/A
Concrete Pump Truck	57.4	50.4	N/A	N/A	N/A	N/A
Excavator	56.7	52.7	N/A	N/A	N/A	N/A
Tractor	58	54.1	N/A	N/A	N/A	N/A
Auger Drill Rig	58.4	51.4	N/A	N/A	N/A	N/A

Excavator	53.2	49.2	N/A	N/A	N/A	N/A
Total	63.7	63.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
School to s	Residential	65	60	55

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Tractor	No	40	84		280	10
Drill Rig Truck	No	20		79.1	280	10
Trencher	No	50		80	300	10
Dozer	No	40		81.7	300	10
Water Truck	No	40		76	320	10
Concrete Pump Truck	No	20		81.4	320	10
Excavator	No	40		80.7	340	10
Tractor	No	40	84		340	10
Auger Drill Rig	No	20		84.4	360	10
Excavator	No	40		80.7	360	10

			Results			
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	59	55.1	N/A	N/A	N/A	N/A
Drill Rig Truck	54.2	47.2	N/A	N/A	N/A	N/A
Trencher	54.4	51.4	N/A	N/A	N/A	N/A
Dozer	56.1	52.1	N/A	N/A	N/A	N/A
Water Truck	49.9	45.9	N/A	N/A	N/A	N/A
Concrete Pump Truck	55.3	48.3	N/A	N/A	N/A	N/A
Excavator	54.1	50.1	N/A	N/A	N/A	N/A
Tractor	57.3	53.4	N/A	N/A	N/A	N/A
Auger Drill Rig	57.2	50.2	N/A	N/A	N/A	N/A
Excavator	53.6	49.6	N/A	N/A	N/A	N/A
Total	59	61.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65	60	55

			Equipment			
			Spec	Actual	Receptor	Estimated

Description	Impact Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Tractor	No	40	84		130	15
Drill Rig Truck	No	20		79.1	130	15
Trencher	No	50		80	150	15
Dozer	No	40		81.7	150	15
Water Truck	No	40		76	170	15
Concrete Pump Truck	No	20		81.4	170	15
Excavator	No	40		80.7	190	15
Tractor	No	40	84		190	15
Auger Drill Rig	No	20		84.4	210	15
Excavator	No	40		80.7	210	15

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	60.7	56.7	N/A	N/A	N/A	N/A
Drill Rig Truck	55.8	48.9	N/A	N/A	N/A	N/A
Trencher	55.5	52.4	N/A	N/A	N/A	N/A
Dozer	57.1	53.1	N/A	N/A	N/A	N/A
Water Truck	50.4	46.4	N/A	N/A	N/A	N/A
Concrete Pump Truck	55.8	48.8	N/A	N/A	N/A	N/A
Excavator	54.1	50.1	N/A	N/A	N/A	N/A
Tractor	57.4	53.4	N/A	N/A	N/A	N/A
Auger Drill Rig	56.9	49.9	N/A	N/A	N/A	N/A
Excavator	53.2	49.3	N/A	N/A	N/A	N/A
Total	60.7	61.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/25/2021
Case Descr 8850 Sunset Blvd - Bldg Constn Rev 0221 Mtgtd

---- Receptor #1 ----

	Baselines (dBA)		
Descriptior Land Use	Daytime	Evening	Night
London Ho Residential	65	60	55

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

Tractor	No	40	84		25	20
Concrete Pump Truck	No	20		81.4	50	20
Forklift	No	20		75	50	20
Tractor	No	40	84		75	20
Welder / Torch	No	40		74	75	20
Welder / Torch	No	40		74	75	20
Compressor (air)	No	40		77.7	100	20
Compressor (air)	No	40		77.7	100	20
Man Lift	No	20		74.7	100	20
Man Lift	No	20		74.7	100	20
Crane	No	16		80.6	125	20
Forklift	No	20		75	125	20

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	70	66	N/A	N/A	N/A	N/A
Concrete Pump Truck	61.4	54.4	N/A	N/A	N/A	N/A
Forklift	55	48	N/A	N/A	N/A	N/A
Tractor	60.5	56.5	N/A	N/A	N/A	N/A
Welder / Torch	50.5	46.5	N/A	N/A	N/A	N/A
Welder / Torch	50.5	46.5	N/A	N/A	N/A	N/A
Compressor (air)	51.6	47.7	N/A	N/A	N/A	N/A
Compressor (air)	51.6	47.7	N/A	N/A	N/A	N/A
Man Lift	48.7	41.7	N/A	N/A	N/A	N/A
Man Lift	48.7	41.7	N/A	N/A	N/A	N/A
Crane	52.6	44.6	N/A	N/A	N/A	N/A
Forklift	47	40.1	N/A	N/A	N/A	N/A
Total	70	67.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		75	15
Concrete Pump Truck	No	20		81.4	100	15
Forklift	No	20		75	100	15
Tractor	No	40	84		125	15
Welder / Torch	No	40		74	125	15
Welder / Torch	No	40		74	125	15
Compressor (air)	No	40		77.7	100	15

Compressor (air)	No	40	77.7	100	15
Man Lift	No	20	74.7	100	15
Man Lift	No	20	74.7	100	15
Crane	No	16	80.6	125	15
Forklift	No	20	75	125	15

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	65.5	61.5	N/A	N/A	N/A	N/A
Concrete Pump Truck	60.4	53.4	N/A	N/A	N/A	N/A
Forklift	54	47	N/A	N/A	N/A	N/A
Tractor	61	57.1	N/A	N/A	N/A	N/A
Welder / Torch	51	47.1	N/A	N/A	N/A	N/A
Welder / Torch	51	47.1	N/A	N/A	N/A	N/A
Compressor (air)	56.6	52.7	N/A	N/A	N/A	N/A
Compressor (air)	56.6	52.7	N/A	N/A	N/A	N/A
Man Lift	53.7	46.7	N/A	N/A	N/A	N/A
Man Lift	53.7	46.7	N/A	N/A	N/A	N/A
Crane	57.6	49.6	N/A	N/A	N/A	N/A
Forklift	52	45.1	N/A	N/A	N/A	N/A
Total	65.5	64.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		65	18
Concrete Pump Truck	No	20		81.4	90	18
Forklift	No	20		75	90	18
Tractor	No	40	84		115	18
Welder / Torch	No	40		74	115	18
Welder / Torch	No	40		74	115	18
Compressor (air)	No	40		77.7	100	18
Compressor (air)	No	40		77.7	100	18
Man Lift	No	20		74.7	100	18
Man Lift	No	20		74.7	100	18
Crane	No	16		80.6	125	18
Forklift	No	20		75	125	18

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	63.7	59.7	N/A	N/A	N/A	N/A
Concrete Pump Truck	58.3	51.3	N/A	N/A	N/A	N/A
Forklift	51.9	44.9	N/A	N/A	N/A	N/A
Tractor	58.8	54.8	N/A	N/A	N/A	N/A
Welder / Torch	48.8	44.8	N/A	N/A	N/A	N/A
Welder / Torch	48.8	44.8	N/A	N/A	N/A	N/A
Compressor (air)	53.6	49.7	N/A	N/A	N/A	N/A
Compressor (air)	53.6	49.7	N/A	N/A	N/A	N/A
Man Lift	50.7	43.7	N/A	N/A	N/A	N/A
Man Lift	50.7	43.7	N/A	N/A	N/A	N/A
Crane	54.6	46.6	N/A	N/A	N/A	N/A
Forklift	49	42.1	N/A	N/A	N/A	N/A
Total	63.7	62.5	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
School to s	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		280	10
Concrete Pump Truck	No	20		81.4	280	10
Forklift	No	20		75	300	10
Tractor	No	40	84		300	10
Welder / Torch	No	40		74	320	10
Welder / Torch	No	40		74	320	10
Compressor (air)	No	40		77.7	320	10
Compressor (air)	No	40		77.7	320	10
Man Lift	No	20		74.7	340	10
Man Lift	No	20		74.7	340	10
Crane	No	16		80.6	340	10
Forklift	No	20		75	360	10

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	59	55.1	N/A	N/A	N/A	N/A
Concrete Pump Truck	56.4	49.4	N/A	N/A	N/A	N/A
Forklift	49.4	42.4	N/A	N/A	N/A	N/A
Tractor	58.4	54.5	N/A	N/A	N/A	N/A

Welder / Torch	47.9	43.9	N/A	N/A	N/A	N/A
Welder / Torch	47.9	43.9	N/A	N/A	N/A	N/A
Compressor (air)	51.5	47.6	N/A	N/A	N/A	N/A
Compressor (air)	51.5	47.6	N/A	N/A	N/A	N/A
Man Lift	48	41.1	N/A	N/A	N/A	N/A
Man Lift	48	41.1	N/A	N/A	N/A	N/A
Crane	53.9	45.9	N/A	N/A	N/A	N/A
Forklift	47.9	40.9	N/A	N/A	N/A	N/A
Total	59	59.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		130	15
Concrete Pump Truck	No	20		81.4	130	15
Forklift	No	20		75	150	15
Tractor	No	40	84		150	15
Welder / Torch	No	40		74	170	15
Welder / Torch	No	40		74	170	15
Compressor (air)	No	40		77.7	170	15
Compressor (air)	No	40		77.7	170	15
Man Lift	No	20		74.7	190	15
Man Lift	No	20		74.7	190	15
Crane	No	16		80.6	190	15
Forklift	No	20		75	210	15

	Calculated (dBA)		Results			
			Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	60.7	56.7	N/A	N/A	N/A	N/A
Concrete Pump Truck	58.1	51.1	N/A	N/A	N/A	N/A
Forklift	50.5	43.5	N/A	N/A	N/A	N/A
Tractor	59.5	55.5	N/A	N/A	N/A	N/A
Welder / Torch	48.4	44.4	N/A	N/A	N/A	N/A
Welder / Torch	48.4	44.4	N/A	N/A	N/A	N/A
Compressor (air)	52	48.1	N/A	N/A	N/A	N/A
Compressor (air)	52	48.1	N/A	N/A	N/A	N/A
Man Lift	48.1	41.1	N/A	N/A	N/A	N/A
Man Lift	48.1	41.1	N/A	N/A	N/A	N/A
Crane	54	46	N/A	N/A	N/A	N/A

Forklift	47.5	40.5	N/A	N/A	N/A	N/A
Total	60.7	60.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/25/2021
Case Descr 8850 Sunset Blvd - Paving_Finishing Rev 0221 Mtgtd

---- Receptor #1 ----

	Baselines (dBA)		
Descriptior	Land Use	Daytime	Evening	Night
London Ho	Residential	65	60	55

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Cement & Morter Mixer	No	50		80	25	20
Skid Steer Loader	No	40		79	50	20
Paver	No	50		77.2	50	20

			Results			
	Calculated (dBA)			Noise Limits (dBA)		
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Cement & Morter Mixer	66	63	N/A	N/A	N/A	N/A
Skid Steer Loader	59	55	N/A	N/A	N/A	N/A
Paver	57.2	54.2	N/A	N/A	N/A	N/A
Total	66	64.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Descriptior	Land Use	Daytime	Evening	Night
Residences	Residential	65	60	55

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Cement & Morter Mixer	No	50		80	75	15
Skid Steer Loader	No	40		79	100	15
Paver	No	50		77.2	100	15

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Cement & Morter Mixer	61.5	58.5	N/A	N/A	N/A	N/A
Skid Steer Loader	58	54	N/A	N/A	N/A	N/A
Paver	56.2	53.2	N/A	N/A	N/A	N/A
Total	61.5	60.7	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Cement & Morter Mixer	No	50		80	65	18
Skid Steer Loader	No	40		79	90	18
Paver	No	50		77.2	90	18

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Cement & Morter Mixer	59.7	56.7	N/A	N/A	N/A	N/A
Skid Steer Loader	55.9	51.9	N/A	N/A	N/A	N/A
Paver	54.1	51.1	N/A	N/A	N/A	N/A
Total	59.7	58.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
School to s	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Cement & Morter Mixer	No	50		80	280	10
Skid Steer Loader	No	40		79	280	10
Paver	No	50		77.2	300	10

Results

	Calculated (dBA)		Noise Limits (dBA)			

			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Cement & Morter Mixer	55	52	N/A	N/A	N/A	N/A
Skid Steer Loader	54	50.1	N/A	N/A	N/A	N/A
Paver	51.7	48.6	N/A	N/A	N/A	N/A
Total	55	55.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65	60	55

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Cement & Morter Mixer	No	50		80	130	15
Skid Steer Loader	No	40		79	130	15
Paver	No	50		77.2	150	15

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Cement & Morter Mixer	56.7	53.7	N/A	N/A	N/A	N/A
Skid Steer Loader	55.7	51.7	N/A	N/A	N/A	N/A
Paver	52.7	49.7	N/A	N/A	N/A	N/A
Total	56.7	56.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

RAY-TRACE PROGRAM (FOR A POINT-SOURCE)

Uses the Equation: $(A_{e4})_{point}=20*\log[(2*pi*N)^{1/2}/\tanh(2*pi*N)^{1/2}]+5dB$

(Ref. Pg.174, Noise and Vibration Control, L.L. Beranek Editor, 1971 Ed.

Project: 8850 Sunset Blvd - Construction Noise Barriers
Date: 2/24/21
By: MG

Please Enter: Using English (E) units or Metric (M) units ? E

Ray Trace Number/Description	Source-Receiver Distance (ft. or m)	Source Base Elev. (ft. or m)	Source Height above Ground (ft. or m)	Receiver Base Elev. (ft. or m)	Receiver Height above Ground (ft. or m)	Horizontal Barrier Dist. (in ref. to source) (ft. or m)	Barrier Base Elev. (ft. or m)	Barrier Height (ft. or m)	Dominant Freq.(Hz)	Source-Rcvr Straight-Line Dist. (ft. or m)	Source-Top-of-Barrier Dist. (ft. or m)	Receiver-Top-of-Barrier Dist. (ft. or m)	Lambda	N_{max}	$AE_{(barriers)}$ (dB)
1. Source -Construction Noise - Hotel to South	25.0	0.0	8.0	0.0	5.0	10.0	0.0	**24.0**	500.0	25.2	18.9	24.2	2.3	15.9	**25.0**
1. Source -Construction Noise - Residences to West	75.0	0.0	8.0	0.0	5.0	10.0	0.0	**14.0**	500.0	75.1	11.7	65.6	2.3	2.0	**15.9**
1. Source -Construction Noise - Residences to East	65.0	0.0	8.0	0.0	5.0	10.0	0.0	**20.0**	500.0	65.1	15.6	57.0	2.3	6.7	**21.2**

Calculate Groundborne Vibration using FTA Noise and Vibration Impact Assessment Manual guidance (Section 7.2) (FTA 2018)

PPVequip = PPVref x (25/D)1.5

Input			Ouput
Equipment	**PPV_{ref} (inches/sec)**	**D (feet)**	**PPV_{equip} (inches/sec)**
Large Bulldozer or Equivalent	0.089	25	0.0890

Exterior Noise Calculations

Crowd Noise Estimate - Rev. 081921

Applicable Thresholds of Significance

8 AM - 10 PM: Ambient noise level + 5 dBA if ambient noise level is less than 60 dBA L_{eq}; if ambient noise level is 60 dBA Leq or greater, ambient noise level + 3dBA

10 PM - 8 AM: L90 - 5 dBA

ST3 - West of project site - measured ambient noise levels: 64.8 dBA Leq, 62 dBA L90	Daytime threshold: 67.8 dBA Leq, nighttime threshold: 57 dBA L90
ST5 - East of project site - measured ambient noise levels: 63.2 dBA Leq, 59 dBA L90	Daytime threshold: 66.2 dBA Leq, nighttime threshold: 54 dBA L90
ST7 - South of project site - measured ambient noise levls: 57 dBA Leq, 55 dBA L90	Daytime threshold: 62 dBA Leq, nighttime threshold: 49 dBA L90

Raised male voice at 1 m.	65 dBA at 3.28 feet
Raised female voice at 1 m.	62 dBA at 3.28 feet
Reference: Harris, 1991	

Elevation (above local ground) - ref. Sheet 52 of site plans rcvd 081921	Horizontal Distance to nearest receivers (from approx. acoustic center of activity area)				Vertical Distance to nearest receivers				Line-of-Sight Distance (Horizontal and Vertical)			
	Residences to east	Residences to west	London Hotel event space above parking garage	London Hotel rooftop deck	Residences to east	Residences to west	London Hotel event space	London Hotel rooftop deck	Residences to east	Residences to west	London Hotel event space	London Hotel rooftop deck
170	115.5	301	105.5	165	158	158	115	60	196	340	156	176
185	282	141	100	150	173	173	130	75	331	223	164	168
52	237	183	111	122	40	40	-3	-58	240	187	111	135

Assumptions	**Occupancy**
271 people at residential amenities terrace (level 15)	271
415 people hotel rooftop terrace (level 16)	415
296 people at the hotel terrace café (level 4)	296
Assume each 50% male, 50% female	
Assume half of them are using raised voices at any one time	

Crowd Noise Estimate, Continued - Rev. 081921

Source-receiver distances (feet)

Receiver Description	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)
London Hotel event space above parking garage	156	164	111
London Hotel rooftop deck	176	168	135
Residences to west	340	223	187
Residences to east	196	168	240

Receiver Description	Estimated Building Shielding (dBA)		
	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)
London Hotel event space above parking garage	31.2	30.7	0.0
London Hotel rooftop deck	25.6	25.9	23.0
Residences to west	32.7	28.0	24.8
Residences to east	23.6	34.0	28.4

Receiver Description	Estimated Sound Pressure Levels (dBA L_{eq}) Daytime and Nighttime			
	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)	Combined Noise Level (dBA)
London Hotel event space above parking garage	23.3	25.3	57.9	57.9
London Hotel rooftop deck	27.9	29.9	33.1	35.6
Residences to west	15.0	25.3	28.6	30.4
Residences to east	29.0	21.7	22.7	30.5

Allowable Music Noise Estimate - Rev. 081921

Applicable Thresholds of Significance
8 AM - 10 PM: Ambient noise level + 5 dBA if ambient noise level is less than 60 dBA L_{eq}; if ambient noise level is 60 dBA Leq or greater, ambient noise level + 3dBA
10 PM - 8 AM: L90 - 5 dBA

ST3 - West of project site - measured ambient noise levels: 64.8 dBA Leq, 62 dBA L90 — Daytime threshold: 67.8 dBA Leq, nighttime threshold: 56 dBA L90
ST5 - East of project site - measured ambient noise levels: 63.2 dBA Leq, 59 dBA L90 — Daytime threshold: 66.2 dBA Leq, nighttime threshold: 53 dBA L90
ST7 - South of project site - measured ambient noise levls: 57 dBA Leq, 55 dBA L90 — Daytime threshold: 62 dBA Leq, nighttime threshold: 49 dBA L90

Elevation (above local ground) - ref. Sheet 52 of site plans rcvd 081921	Horizontal Distance to nearest receivers (from approx. acoustic center of activity area)				Vertical Distance to nearest receivers				Line-of-Sight Distance (Horizontal and Vertical)			
	Residences to east	Residences to west	London Hotel event space above parking garage	London Hotel rooftop deck	Residences to east	Residences to west	London Hotel event space	London Hotel rooftop deck	Residences to east	Residences to west	London Hotel event space	London Hotel rooftop deck
170	115.5	301	105.5	165	158	158	115	60	196	340	156	176
185	282	141	100	150	173	173	130	75	331	223	164	168
52	237	183	111	122	40	40	-3	-58	240	187	111	135

Assumptions
Raised male voice at 1 m. — 65 dBA at 3.28 feet
Raised female voice at 1 m. — 62 dBA at 3.28 feet
Reference: Harris, 1991

Allowable Music Noise Estimate Continued - Rev. 081921

Amplified Sound System Levels, Maximum Level (measured at reference distance from the loudspeaker), dBA L_{eq}	85	25	Daytime
85 dBA at 25 feet daytime, 65 dBA at 25 feet nighttime at residential amenities terrace and hotel rooftop terrace. 85 dBA at 15 feet at hotel terrace cafe, 65 dBA at 15 feet nighttime	75	25	Nighttime
	85	15	Daytime
	65	15	Nighttime

Source-receiver distances (feet)

Receiver Description	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)
London Hotel event space above parking garage	156	164	111
London Hotel rooftop deck	176	168	135
Residences to west	340	223	187
Residences to east	196	168	240

Receiver Description	Estimated Building Shielding (dBA)		
	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)
London Hotel event space above parking garage	31.2	30.7	0.0
London Hotel rooftop deck	25.6	25.9	23.0
Residences to west	32.7	28.0	24.8
Residences to east	23.6	34.0	28.4

Receiver Description	Estimated Sound Pressure Levels Daytime (dBA)					
	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)	Combined Noise Level (dBA)	Significance Threshold (dBA L_{eq})	Significant Impact?
London Hotel event space above parking garage	37.9	38.0	67.6	**67.7**	**62**	**Yes**
London Hotel rooftop deck	42.4	42.6	42.9	**47.4**	**62**	**No**
Residences to west	29.6	38.0	38.3	**41.5**	**67.8**	**No**
Residences to east	43.6	34.5	32.5	**44.4**	**66.2**	**No**

Receiver Description	Estimated Sound Pressure Levels Nighttime (dBA)					
	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)	Combined Noise Level (dBA)	Significance Threshold (dBA Leq)	Significant Impact?
London Hotel event space above parking garage	27.9	28.0	47.6	**47.7**	**49**	**No**
London Hotel rooftop deck	32.4	32.6	22.9	**35.8**	**49**	**No**
Residences to west	19.6	28.0	18.3	**29.0**	**56**	**No**
Residences to east	33.6	24.5	12.5	**34.1**	**53**	**No**

Crowd Noise Estimate - Mitigated - Rev. 081921

Applicable Thresholds of Significance

8 AM - 10 PM: Ambient noise level + 5 dBA if ambient noise level is less than 60 dBA L_{eq}; if ambient noise level is 60 dBA Leq or greater, ambient noise level + 3dBA

10 PM - 8 AM: L90 - 5 dBA

ST3 - West of project site - measured ambient noise levels: 64.8 dBA Leq, 62 dBA L90	Daytime threshold: 67.8 dBA Leq, nighttime threshold: 57 dBA L90
ST5 - East of project site - measured ambient noise levels: 63.2 dBA Leq, 59 dBA L90	Daytime threshold: 66.2 dBA Leq, nighttime threshold: 54 dBA L90
ST7 - South of project site - measured ambient noise levls: 57 dBA Leq, 55 dBA L90	Daytime threshold: 62 dBA Leq, nighttime threshold: 49 dBA L90

Raised male voice at 1 m.	65 dBA at 3.28 feet
Raised female voice at 1 m.	62 dBA at 3.28 feet

Reference: Harris, 1991

Elevation (above local ground) - ref. Sheet 52 of site plans rcvd 081921	Horizontal Distance to nearest receivers (from approx. acoustic center of activity area)				Vertical Distance to nearest receivers				Line-of-Sight Distance (Horizontal and Vertical)			
	Residences to east	Residences to west	London Hotel event space above parking garage	London Hotel rooftop deck	Residences to east	Residences to west	London Hotel event space	London Hotel rooftop deck	Residences to east	Residences to west	London Hotel event space	London Hotel rooftop deck
170	115.5	301	105.5	165	158	158	115	60	196	340	156	176
185	282	141	100	150	173	173	130	75	331	223	164	168
52	237	183	111	122	40	40	-3	-58	240	187	111	135

Assumptions

		Occupancy	
271 people at residential amenities terrace (level 15)		271	
415 people hotel rooftop terrace (level 16)		415	
296 people at the hotel terrace café (level 4)	Daytime	296	
Assume each 50% male, 50% female	Nighttime	100	(Mitigation)
Assume half of them are using raised voices at any one time			

Crowd Noise Estimate Continued - Mitigated - Rev. 081921

Source-receiver distances (feet)

Receiver Description	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)
London Hotel event space above parking garage	156	164	111
London Hotel rooftop deck	176	168	135
Residences to west	340	223	187
Residences to east	196	168	240

Receiver Description	Estimated Building Shielding (dBA)		
	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)
London Hotel event space above parking garage	31.2	30.7	6.0
London Hotel rooftop deck	25.6	25.9	23.0
Residences to west	32.7	28.0	24.8
Residences to east	23.6	34.0	28.4

Receiver Description	Estimated Sound Pressure Levels (dBA) Daytime			
	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)	Combined Noise Level (dBA)
London Hotel event space above parking garage	23.3	25.3	51.9	51.9
London Hotel rooftop deck	27.9	29.9	33.1	35.6
Residences to west	15.0	25.3	28.6	30.4
Residences to east	29.0	21.7	22.7	30.5

Receiver Description	Estimated Sound Pressure Levels (dBA) Nighttime			
	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)	Combined Noise Level (dBA)
London Hotel event space above parking garage	23.3	25.3	47.2	47.2
London Hotel rooftop deck	27.9	29.9	28.4	33.6
Residences to west	15.2	25.3	23.9	27.9
Residences to east	29.0	21.7	18.0	30.0

Allowable Music Noise Estimate - Mitigated - Rev. 081921

Applicable Thresholds of Significance
8 AM - 10 PM: Ambient noise level + 5 dBA if ambient noise level is less than 60 dBA L_{eq}; if ambient noise level is 60 dBA Leq or greater, ambient noise level + 3dBA
10 PM - 8 AM: L90 - 5 dBA

ST3 - West of project site - measured ambient noise levels: 64.8 dBA Leq, 62 dBA L90 — Daytime threshold: 67.8 dBA Leq, nighttime threshold: 56 dBA L90
ST5 - East of project site - measured ambient noise levels: 63.2 dBA Leq, 59 dBA L90 — Daytime threshold: 66.2 dBA Leq, nighttime threshold: 53 dBA L90
ST7 - South of project site - measured ambient noise levls: 57 dBA Leq, 55 dBA L90 — Daytime threshold: 62 dBA Leq, nighttime threshold: 49 dBA L90

Elevation (above local ground) - ref. Sheet 52 of site plans rcvd 081921	Horizontal Distance to nearest receivers (from approx. acoustic center of activity area)				Vertical Distance to nearest receivers				Line-of-Sight Distance (Horizontal and Vertical)			
	Residences to east	Residences to west	London Hotel event space above parking garage	London Hotel rooftop deck	Residences to east	Residences to west	London Hotel event space	London Hotel rooftop deck	Residences to east	Residences to west	London Hotel event space	London Hotel rooftop deck
170	115.5	301	105.5	165	158	158	115	60	196	340	156	176
185	282	141	100	150	173	173	130	75	331	223	164	168
52	237	183	111	122	40	40	-3	-58	240	187	111	135

Allowable Music Noise Estimate - Mitigated - Rev. 081921 - Continued

Assumptions

	Occupancy
271 people at residential amenities terrace (level 15)	271
415 people hotel rooftop terrace (level 16)	415
296 people at the hotel terrace café (level 4)	296
Assume each 50% male, 50% female	
Assume half of them are using raised voices at any one time	

Raised male voice at 1 m.	65 dBA at 3.28 feet
Raised female voice at 1 m.	62 dBA at 3.28 feet
Reference: Harris, 1991	

Amplified Sound System Levels, Maximum Level (measured at reference distance from the loudspeaker), dBA L_{eq}	85	25 Daytime
85 dBA at 25 feet daytime at residential amenities terrace and hotel rooftop terrace 85 dBA at 15 feet at hotel terrace cafe, 65 dBA at 15 feet nighttime	75	25 Nighttime
	80	15 Daytime
	65	15 Nighttime

Source-receiver distances (feet)

Receiver Description	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)
London Hotel event space above parking garage	156	164	111
London Hotel rooftop deck	176	168	135
Residences to west	340	223	187
Residences to east	196	168	240

Receiver Description	Estimated Building Shielding (dBA)		
	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)
London Hotel event space above parking garage	31.2	30.7	6.0
London Hotel rooftop deck	25.6	25.9	23.0
Residences to west	32.7	28.0	24.8
Residences to east	23.6	34.0	28.4

Receiver Description	Estimated Sound Pressure Levels Daytime (dBA)					
	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)	Combined Noise Level (dBA)	Significance Threshold (dBA L_{eq})	Significant Impact?
London Hotel event space above parking garage	37.9	38.0	56.6	**56.7**	**62**	**No**
London Hotel rooftop deck	42.4	42.6	37.9	**46.2**	**62**	**No**
Residences to west	29.6	38.0	33.3	**39.7**	**67.8**	**No**
Residences to east	43.6	34.5	27.5	**44.2**	**66.2**	**No**

Receiver Description	Estimated Sound Pressure Levels Nighttime (dBA)					
	Residential amenities terrace (level 15)	Hotel rooftop terrace (level 16)	Hotel terrace café (level 4)	Combined Noise Level (dBA)	Significance Threshold (dBA Leq)	Significant Impact?
London Hotel event space above parking garage	27.9	28.0	41.6	**42.0**	**49**	**No**
London Hotel rooftop deck	32.4	32.6	22.9	**35.8**	**49**	**No**
Residences to west	19.6	28.0	18.3	**29.0**	**56**	**No**
Residences to east	33.6	24.5	12.5	**34.1**	**53**	**No**

Unmitgated Outdoor Use Noise Levels - Daytime Hours (8 a.m. to 10 p.m.)

Noise-Sensitive Receiver Location	Estimated Noise Levels from Outdoor Spaces, dBA (L_{eq})			Existing Daytime Ambient Noise Level, dBA (L_{eq})	Significance Threshold, dBA (L_{eq})	Significance Threshold Exceeded?
	People	Amplified Sound	People + Amplified Sound			
Hotel to the south of project site - event space above parking garage	57.9	67.7	68.1	57	62	**Yes**
Hotel to the south of project site - rooftop deck	35.6	47.4	47.7	57	62	**No**
Residences to the west of Project Site	30.4	41.5	41.8	64.8	67.8	**No**
Residences to the east of Project Site	30.5	44.4	44.5	63.2	66.2	**No**

Unmitigated Outdoor Use Noise Levels - Nighttime Hours (10 p.m. to 8 a.m.)

Noise-Sensitive Receiver Location	Estimated Noise Levels from Outdoor Spaces, dBA (L_{eq})			Existing Nighttime Ambient Noise Level, dBA (L_{90})	Significance Threshold, dBA (L_{90})	Significance Threshold Exceeded?
	People	Amplified Sound	People + Amplified Sound			
Hotel to the south of project site - event space above parking garage	57.9	47.7	58.3	56	49	**Yes**
Hotel to the south of project site - rooftop deck	35.6	35.8	38.7	56	49	**No**

Residences to the west of Project Site	30.4	29.0	32.8	61	56	**No**
Residences to the east of Project Site	30.5	34.1	35.7	58	53	**No**

Mitigation - 6' high parapet noise barrier along the south and southeasterly edge of hotel terrace café (Level 4), reduced daytime amplified sound noise levels at hotel terrace cafe, and reduced hotel terrace café occupancy at night.

Outdoor Use Noise Levels with Mitigation - Daytime Hours (8 a.m. to 10 p.m.)

Noise-Sensitive Receiver Location	Estimated Noise Levels from Outdoor Spaces, dBA (L_{eq})			Existing Daytime Ambient Noise Level, dBA (L_{eq})	Significance Threshold, dBA (L_{eq})	Significance Threshold Exceeded?
	People	Amplified Sound	People + Amplified Sound			
Hotel to the south of project site - event space above parking garage	51.9	56.7	58.0	57	62	**No**
Hotel to the south of project site - rooftop deck	35.6	46.2	46.6	57	62	**No**
Residences to the west of Project Site	30.4	39.7	40.2	64.8	67.8	**No**
Residences to the east of Project Site	30.5	44.2	44.3	63.2	66.2	**No**

Outdoor Use Noise Levels with Mitigation - Nighttime Hours (10 p.m. to 8 a.m.)

Noise-Sensitive Receiver Location	Estimated Noise Levels from Outdoor Spaces, dBA (L_{eq})			Existing Nighttime Ambient Noise Level, dBA (L_{90})	Significance Threshold, dBA (L_{90})	Significance Threshold Exceeded?
	People	Amplified Sound	People + Amplified Sound			
Hotel to the south of project site - event space above parking garage	47.2	42.0	48.4	56	49	**No**

Hotel to the south of project site - rooftop deck	33.6	35.8	37.8	56	49	**No**
Residences to the west of Project Site	27.9	29.0	31.5	61	56	**No**
Residences to the east of Project Site	30.0	34.1	35.5	58	53	**No**

Acoustical Shielding from Building Parapet/Edge of Building

Uses the Equation: $(A_{e4})_{point}=20*\log[(2*pi*N)^{1/2}/\tanh(2*pi*N)^{1/2}]+5dB$

(Ref. Pg.174, Noise and Vibration Control, L.L. Beranek Editor, 1971 Ed.

Project: 8850 Sunset Blvd.
Date: 8/19/21
By: MG

Please Enter: Using English (E) units or Metric (M) units ? **E**

Ray Trace Number/Description	Source-Receiver Distance (ft. or m)	Source Base Elev. (ft. or m)	Source Height above Ground (ft. or m)	Receiver Base Elev. (ft. or m)	Receiver Height above Ground (ft. or m)	Horizontal Barrier Dist. (in ref. to source) (ft. or m)	Barrier Base Elev. (ft. or m)	Barrier Height (ft. or m)	Dominant Freq.(Hz)	Source-Rcvr Straight-Line Dist. (ft. or m)	Source-Top-of-Barrier Dist. (ft. or m)	Receiver-Top-of-Barrier Dist. (ft. or m)	Lambda	N_{max}	$AE_{(barriers)}$ (dB)
London Hotel event space to Residential amenities terrace - building edge, no parapet assumed	156	170.0	5.0	52.0	5.0	85.0	170.0	**0.0**	500.0	195.7	85.1	133.5	0.7	66.8	**31.2**
London Hotel rooftop deck to Residential amenities terrace - building edge, no parapet assumed	176	170.0	5.0	110.0	5.0	90.0	170.0	**0.0**	500.0	185.5	90.1	101.7	0.7	18.4	**25.6**
Residences to west to Residential amenities terrace - building edge, no parapet assumed	340	170.0	5.0	12.0	5.0	200.0	170.0	**0.0**	500.0	374.9	200.1	207.4	0.7	94.6	**32.7**
Residences to east to Residential amenities terrace - building edge, no parapet assumed	196	170.0	5.0	12.0	5.0	28.0	170.0	**0.0**	500.0	251.5	28.4	227.0	0.7	11.4	**23.6**
London Hotel event space to Hotel rooftop terrace - building edge, no parapet assumed	164	185.0	5.0	52.0	5.0	76.0	185.0	**0.0**	500.0	211.2	76.2	155.3	0.7	59.1	**30.7**
London Hotel rooftop deck to Hotel rooftop terrace - building edge, no parapet assumed	168	185.0	5.0	110.0	5.0	70.0	185.0	**0.0**	500.0	183.7	70.2	120.2	0.7	19.4	**25.9**

Residences to west to Hotel rooftop terrace - building edge, no parapet assumed	223	185.0	5.0	12.0	5.0	56.0	185.0	**0.0**	500.0	282.4	56.2	237.0	0.7	31.5	**28.0**
Residences to east to Hotel rooftop terrace - building edge, no parapet assumed	331	185.0	5.0	12.0	5.0	210.0	185.0	**0.0**	500.0	373.3	210.1	206.9	0.7	126.9	**34.0**
London Hotel event space to Hotel terrace café - Unmitigated	111	52.0	5.0	52.0	5.0	35.0	52.0	**0.0**	n/a - line of sight not broken, no barrier shielding reduction						
London Hotel event space to Hotel terrace café - 6' parapet noise barrier	111	52.0	5.0	52.0	5.0	35.0	52.0	**6.0**	500.0	110.7	35.0	75.7	0.7	0.1	**6.0**
London Hotel rooftop deck to Hotel terrace café - London Hotel's building edge, no parapet assumed	135	52.0	5.0	110.0	5.0	85.0	110.0	**0.0**	500.0	147.0	100.2	50.3	0.7	10.2	**23.0**
Residences to west to Hotel terrace café - Building structure blocks line-of-sight	187	52.0	5.0	12.0	5.0	28.0	52.0	**15.0**	500.0	191.5	29.7	167.0	0.7	15.0	**24.8**
Residences to east to Hotel terrace café - Building structure blocks line-of-sight	240	52.0	5.0	12.0	5.0	165.0	52.0	**15.0**	500.0	243.7	165.3	90.4	0.7	35.1	**28.4**

Traffic Noise Model Input / Output

Dudek 11 March 2020
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Existing

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

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Sunset Blvd. west of N. Doheny Dr.	65.0	point1	1	1,283.9	3,025.3	400.00				Average	
		point3	3	1,679.4	3,022.5	400.00					
N Doheny Dr. north of Sunset	40.0	point75	75	1,396.7	3,512.9	400.00				Average	
		point27	27	1,574.5	3,402.4	400.00				Average	
		point28	28	1,650.1	3,339.8	400.00				Average	
		point29	29	1,669.5	3,280.9	400.00				Average	
		point30	30	1,675.7	3,187.2	400.00				Average	
		point31	31	1,680.5	3,062.5	400.00				Average	
		point32	32	1,681.2	3,034.9	400.00					
Hammond St. south of Sunset	40.0	point77	77	2,330.3	3,012.6	400.00				Average	
		point36	36	2,332.0	2,465.7	400.00					
N. Clark St. north of Sunset	50.0	point79	79	2,924.0	3,844.3	400.00				Average	
		point38	38	2,952.5	3,765.6	400.00				Average	
		point39	39	2,967.8	3,041.5	400.00					
Horn Ave. north of Sunset	40.0	point83	83	3,638.0	3,084.9	400.00				Average	
		point47	47	3,618.9	3,143.9	400.00				Average	
		point48	48	3,622.4	3,644.0	400.00					
Holloway Dr. south of Sunset	50.0	point85	85	3,655.4	3,055.3	400.00				Average	
		point50	50	3,693.6	3,036.2	400.00				Average	
		point51	51	3,771.7	3,011.9	400.00				Average	
		point52	52	4,181.5	3,011.9	400.00				Average	
		point53	53	4,997.4	3,020.7	400.00					
Larrabee St. north of Sunset	40.0	point86	86	3,288.8	3,829.6	400.00				Average	
		point43	43	3,292.9	3,040.2	400.00					
Miller Dr. north of Sunset	40.0	point90	90	5,742.8	4,433.3	400.00				Average	

		point55	55	5,665.6	4,440.2	400.00				Average	
		point56	56	5,542.9	4,405.7	400.00				Average	
		point57	57	5,380.3	4,358.9	400.00				Average	
		point58	58	5,359.7	4,368.5	400.00				Average	
		point59	59	5,343.1	4,394.7	400.00					
N Doheny Dr. south of Sunset	40.0	point92	92	1,679.2	3,010.9	400.00				Average	
		point34	34	1,698.3	2,457.0	400.00					
Susnet Blvd. east of N. Doheny Dr.	65.0	point93	93	1,679.4	3,022.5	400.00				Average	
		point4	4	2,333.9	3,023.9	400.00					
Susnet Blvd. east of Hammond St	65.0	point94	94	2,333.9	3,023.9	400.00				Average	
		point5	5	2,974.7	3,032.1	400.00					
San Vicente Blvd. south of Sunset	50.0	point96	96	2,965.6	3,012.0	400.00				Average	
		point41	41	2,963.4	2,325.1	400.00					
Sunset Blvd. east of N. Clark St.	65.0	point97	97	2,974.7	3,032.1	400.00				Average	
		point6	6	3,295.8	3,029.4	400.00					
Larrabee St. south of Sunset	40.0	point100	100	3,293.2	3,017.5	400.00				Average	
		point45	45	3,293.2	2,337.2	400.00					
Sunset Blvd. east of Larrabee St	65.0	point101	101	3,295.8	3,029.4	400.00				Average	
		point7	7	3,557.1	3,033.7	400.00				Average	
		point8	8	3,610.1	3,053.7	400.00				Average	
		point9	9	3,647.4	3,066.7	400.00					
Sunset Blvd. east of Horn / Holloway	65.0	point104	104	3,647.4	3,066.7	400.00				Average	
		point10	10	3,699.5	3,094.5	400.00				Average	
		point11	11	3,783.7	3,163.9	400.00				Average	
		point12	12	3,912.2	3,269.9	400.00				Average	
		point13	13	3,969.4	3,308.1	400.00				Average	
		point14	14	4,038.9	3,341.0	400.00				Average	
		point15	15	4,235.9	3,408.6	400.00				Average	
		point16	16	4,380.7	3,469.2	400.00				Average	
		point17	17	4,769.3	3,682.8	400.00				Average	
		point18	18	4,934.6	3,779.3	400.00					
Sunset Blvd. west of La Cienega	65.0	point105	105	5,762.3	4,425.2	400.00				Average	
		point23	23	5,838.7	4,459.9	400.00				Average	
		point24	24	6,123.4	4,546.7	400.00				Average	
		point25	25	6,331.7	4,598.8	400.00					
N. La Cienega Bld. south of Sunset Blvd.	65.0	point106	106	5,775.2	4,407.9	400.00				Average	
		point107	107	5,751.7	3,068.0	400.00					
San Vicente Blvd. north of Cynthia Ave	50.0	point108	108	2,962.7	2,316.3	400.00				Average	
		point109	109	2,968.1	1,975.5	400.00				Average	

		point110	110	2,973.5	1,841.4	400.00					
Cynthia St. west of San Vicente	40.0	point111	111	1,782.2	1,801.1	400.00				Average	
		point112	112	2,345.6	1,819.9	400.00				Average	
		point113	113	2,909.1	1,819.9	400.00				Average	
		point116	116	2,976.2	1,806.5	400.00					
Cynthia St. east of San Vicente	40.0	point117	117	2,976.2	1,806.5	400.00				Average	
		point114	114	3,043.2	1,793.1	400.00				Average	
		point115	115	3,316.9	1,760.9	400.00					
Sunset Blvd. east of Horn / Holloway-2	65.0	point118	118	4,934.6	3,779.3	400.00				Average	
		point19	19	5,043.5	3,859.2	400.00				Average	
		point20	20	5,432.4	4,178.7	400.00				Average	
		point21	21	5,710.2	4,387.0	400.00				Average	
		point22	22	5,762.3	4,425.2	400.00					
San Vicente Blvd. south of Cynthia Ave	12.0	point119	119	2,973.2	1,767.9	0.00				Average	
		point120	120	3,110.6	1,155.2	0.00					

Dudek 11 March 202
MG TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Existing

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Sunset Blvd. west of N. Doheny Dr.	point1	1	2047	97	35	2	35	1	35	0	0	0	0
	point3	3											
N Doheny Dr. north of Sunset	point75	75	311	97	25	2	25	1	25	0	0	0	0
	point27	27	311	97	25	2	25	1	25	0	0	0	0
	point28	28	311	97	25	2	25	1	25	0	0	0	0
	point29	29	311	97	25	2	25	1	25	0	0	0	0
	point30	30	311	97	25	2	25	1	25	0	0	0	0
	point31	31	311	97	25	2	25	1	25	0	0	0	0
	point32	32											
Hammond St. south of Sunset	point77	77	198	97	25	2	25	1	25	0	0	0	0
	point36	36											
N. Clark St. north of Sunset	point79	79	135	97	25	2	25	1	25	0	0	0	0
	point38	38	135	97	25	2	25	1	25	0	0	0	0
	point39	39											
Horn Ave. north of Sunset	point83	83	111	97	25	2	25	1	25	0	0	0	0
	point47	47	111	97	25	2	25	1	25	0	0	0	0
	point48	48											
Holloway Dr. south of Sunset	point85	85	800	97	35	2	35	1	35	0	0	0	0
	point50	50	800	97	35	2	35	1	35	0	0	0	0
	point51	51	800	97	35	2	35	1	35	0	0	0	0
	point52	52	800	97	35	2	35	1	35	0	0	0	0
	point53	53											
Larrabee St. north of Sunset	point86	86	109	97	25	2	25	1	25	0	0	0	0

	point43	43											
Miller Dr. north of Sunset	point90	90	79	97	25	2	25	1	25	0	0	0	0
	point55	55	79	97	25	2	25	1	25	0	0	0	0
	point56	56	79	97	25	2	25	1	25	0	0	0	0
	point57	57	79	97	25	2	25	1	25	0	0	0	0
	point58	58	79	97	25	2	25	1	25	0	0	0	0
	point59	59											
N Doheny Dr. south of Sunset	point92	92	806	97	35	2	35	1	35	0	0	0	0
	point34	34											
Susnet Blvd. east of N. Doheny Dr.	point93	93	2584	97	35	2	35	1	35	0	0	0	0
	point4	4											
Susnet Blvd. east of Hammond St	point94	94	2714	97	35	2	35	1	35	0	0	0	0
	point5	5											
San Vicente Blvd. south of Sunset	point96	96	840	97	35	2	35	1	35	0	0	0	0
	point41	41											
Sunset Blvd. east of N. Clark St.	point97	97	3019	97	35	2	35	1	35	0	0	0	0
	point6	6											
Larrabee St. south of Sunset	point100	100	393	97	25	2	25	1	25	0	0	0	0
	point45	45											
Sunset Blvd. east of Larrabee St	point101	101	3339	97	35	2	35	1	35	0	0	0	0
	point7	7	3339	97	35	2	35	1	35	0	0	0	0
	point8	8	3339	97	35	2	35	1	35	0	0	0	0
	point9	9											
Sunset Blvd. east of Horn / Holloway	point104	104	2568	97	35	2	35	1	35	0	0	0	0
	point10	10	2568	97	35	2	35	1	35	0	0	0	0
	point11	11	2568	97	35	2	35	1	35	0	0	0	0
	point12	12	2568	97	35	2	35	1	35	0	0	0	0
	point13	13	2568	97	35	2	35	1	35	0	0	0	0
	point14	14	2568	97	35	2	35	1	35	0	0	0	0
	point15	15	2568	97	35	2	35	1	35	0	0	0	0
	point16	16	2568	97	35	2	35	1	35	0	0	0	0
	point17	17	2568	97	35	2	35	1	35	0	0	0	0
	point18	18											
Sunset Blvd. west of La Cienega	point105	105	2953	97	35	2	35	1	35	0	0	0	0
	point23	23	2953	97	35	2	35	1	35	0	0	0	0
	point24	24	2953	97	35	2	35	1	35	0	0	0	0

	point25	25											
N. La Cienega Bld. south of Sunset Blvd.	point106	106	1043	97	35	2	35	1	35	0	0	0	0
	point107	107											
San Vicente Blvd. north of Cynthia Ave	point108	108	876	97	35	2	35	1	35	0	0	0	0
	point109	109	876	97	35	2	35	1	35	0	0	0	0
	point110	110											
Cynthia St. west of San Vicente	point111	111	839	97	25	2	25	1	25	0	0	0	0
	point112	112	839	97	25	2	25	1	25	0	0	0	0
	point113	113	839	97	25	2	25	1	25	0	0	0	0
	point116	116											
Cynthia St. east of San Vicente	point117	117	689	97	25	2	25	1	25	0	0	0	0
	point114	114	689	97	25	2	25	1	25	0	0	0	0
	point115	115											
Sunset Blvd. east of Horn / Holloway-2	point118	118	2979	97	35	2	35	1	35	0	0	0	0
	point19	19	2979	97	35	2	35	1	35	0	0	0	0
	point20	20	2979	97	35	2	35	1	35	0	0	0	0
	point21	21	2979	97	35	2	35	1	35	0	0	0	0
	point22	22											
San Vicente Blvd. south of Cynthia Ave	point119	119	1156	97	35	2	35	1	35	0	0	0	0
	point120	120											

Dudek 11 March 2020
MG TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Existing

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	3,249.0	2,979.7	400.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	3,003.5	2,915.2	400.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	2,927.7	2,837.3	400.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	2,990.9	2,740.1	400.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	3,315.4	2,827.6	400.00	5.00	0.00	66	10.0	8.0	Y
ST6	6	1	3,253.3	3,117.6	400.00	5.00	0.00	66	10.0	8.0	Y
ST7	7	1	3,115.7	2,825.9	400.00	5.00	0.00	66	10.0	8.0	Y
M1	8	1	1,635.0	3,214.3	400.00	5.00	0.00	66	10.0	8.0	Y
M2	9	1	1,716.4	2,755.3	400.00	5.00	0.00	66	10.0	8.0	Y
M3	10	1	2,361.3	2,744.3	400.00	5.00	0.00	66	10.0	8.0	Y
M4	11	1	2,993.6	3,256.4	400.00	5.00	0.00	66	10.0	8.0	Y
M5	12	1	3,016.5	1,853.7	400.00	5.00	0.00	66	10.0	8.0	Y
M6	13	1	3,648.2	3,381.8	400.00	5.00	0.00	66	10.0	8.0	Y
M7	14	1	4,061.0	2,985.1	400.00	5.00	0.00	66	10.0	8.0	Y
M8	15	1	5,623.8	4,452.8	400.00	5.00	0.00	66	10.0	8.0	Y
M9	16	1	5,681.1	3,846.8	400.00	5.00	0.00	66	10.0	8.0	Y

Dudek 11 March 2020
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Existing

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per Unit Area	$ per Unit Vol.	Top Width	Run:Rise	$ per Unit Length			X	Y	Z	at Point	Seg Ht Incre-ment	#Up	#Dn	On Struct?	Important Reflec-tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	1,425.2	3,440.0	400.00	20.00	0.00	0	0		
									point3	3	1,587.8	3,338.0	400.00	20.00	0.00	0	0		
									point4	4	1,591.2	3,319.4	400.00	20.00	0.00	0	0		
									point5	5	1,439.0	3,322.2	400.00	20.00	0.00	0	0		
									point6	6	1,445.2	3,265.7	400.00	20.00	0.00	0	0		
									point7	7	1,622.2	3,262.3	400.00	20.00	0.00	0	0		
									point8	8	1,627.0	3,081.0	400.00	20.00	0.00	0	0		
									point9	9	1,595.4	3,063.8	400.00	20.00	0.00	0	0		
									point10	10	1,452.7	3,070.0	400.00	20.00					
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point107	107	3,321.8	3,501.2	400.00	20.00	0.00	0	0		
									point101	101	3,589.2	3,504.6	400.00	20.00	0.00	0	0		
									point102	102	3,582.2	3,334.5	400.00	20.00	0.00	0	0		
									point103	103	3,476.3	3,334.5	400.00	20.00	0.00	0	0		
									point104	104	3,467.6	3,225.1	400.00	20.00	0.00	0	0		
									point105	105	3,528.4	3,218.1	400.00	20.00	0.00	0	0		
									point100	100	3,523.2	3,110.5	400.00	20.00	0.00	0	0		
									point2	2	3,330.5	3,084.4	400.00	20.00					
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point109	109	3,650.2	3,568.0	400.00	20.00	0.00	0	0		
									point39	39	3,658.8	3,154.8	400.00	20.00	0.00	0	0		
									point40	40	3,717.9	3,180.9	400.00	20.00	0.00	0	0		
									point41	41	3,993.9	3,371.8	400.00	20.00	0.00	0	0		
									point42	42	4,254.4	3,479.5	400.00	20.00	0.00	0	0		
									point43	43	4,273.5	3,847.6	400.00	20.00					
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point111	111	3,842.7	3,171.3	400.00	20.00	0.00	0	0		
									point55	55	3,943.3	3,232.5	400.00	20.00	0.00	0	0		
									point56	56	4,112.8	3,310.2	400.00	20.00	0.00	0	0		
									point57	57	4,358.9	3,382.4	400.00	20.00	0.00	0	0		
									point58	58	4,503.3	3,453.5	400.00	20.00	0.00	0	0		
									point59	59	4,913.1	3,682.6	400.00	20.00	0.00	0	0		
									point60	60	5,229.1	3,911.8	400.00	20.00	0.00	0	0		
									point61	61	5,708.3	4,273.0	400.00	20.00	0.00	0	0		
									point62	62	5,677.1	4,040.3	400.00	20.00	0.00	0	0		
									point63	63	5,663.2	3,880.6	400.00	20.00	0.00	0	0		
									point64	64	5,663.2	3,085.4	400.00	20.00	0.00	0	0		
									point65	65	3,864.4	3,071.5	400.00	20.00					

Barrier1-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point113	113	3,798.9	2,975.1	400.00	20.00	0.00	0	0		
									point67	67	4,408.1	2,977.9	400.00	20.00	0.00	0	0		
									point68	68	5,675.6	2,998.7	400.00	20.00	0.00	0	0		
									point69	69	5,658.2	2,693.1	400.00	20.00	0.00	0	0		
									point70	70	3,814.2	2,588.9	400.00	20.00					
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point115	115	3,328.9	2,981.2	400.00	20.00	0.00	0	0		
									point34	34	3,523.4	2,981.2	400.00	20.00	0.00	0	0		
									point35	35	3,717.9	2,967.3	400.00	20.00	0.00	0	0		
									point36	36	3,716.1	2,567.9	400.00	20.00	0.00	0	0		
									point37	37	3,332.4	2,573.1	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point117	117	3,011.5	2,978.7	400.00	20.00	0.00	0	0		
									point86	86	3,233.8	2,983.9	400.00	20.00	0.00	0	0		
									point87	87	3,251.1	2,938.7	400.00	20.00	0.00	0	0		
									point88	88	3,001.1	2,931.8	400.00	20.00					
Barrier1-2	W	0.00	99.99	0.00				0.00	point119	119	2,929.5	3,076.7	400.00	20.00	0.00	0	0		
									point16	16	2,922.5	3,489.9	400.00	20.00					
Barrier1-2-2-2	W	0.00	99.99	0.00				0.00	point121	121	1,748.2	2,967.3	400.00	20.00	0.00	0	0		
									point21	21	2,159.5	2,976.1	400.00	20.00	0.00	0	0		
									point22	22	2,282.0	2,971.7	400.00	20.00	0.00	0	0		
									point23	23	2,290.7	2,442.3	400.00	20.00	0.00	0	0		
									point24	24	1,770.1	2,459.8	400.00	20.00					
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point122	122	1,481.1	2,980.3	400.00	20.00	0.00	0	0		
									point18	18	1,639.1	2,975.2	400.00	20.00	0.00	0	0		
									point19	19	1,630.3	2,415.1	400.00	20.00					
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point124	124	1,708.4	3,249.9	400.00	20.00	0.00	0	0		
									point12	12	1,703.6	3,052.8	400.00	20.00	0.00	0	0		
									point13	13	2,026.7	3,063.1	400.00	20.00	0.00	0	0		
									point14	14	2,257.6	3,079.5	400.00	20.00	0.00	0	0		
									point15	15	2,929.5	3,076.7	400.00	20.00					
Barrier1-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point126	126	2,385.1	2,783.9	400.00	20.00	0.00	0	0		
									point26	26	2,381.6	2,447.0	400.00	20.00	0.00	0	0		
									point27	27	2,937.2	2,453.9	400.00	20.00	0.00	0	0		
									point28	28	2,909.4	2,877.6	400.00	20.00	0.00	0	0		
									point29	29	2,881.7	2,884.5	400.00	20.00	0.00	0	0		
									point30	30	2,888.6	3,006.1	400.00	20.00	0.00	0	0		
									point31	31	2,638.6	3,009.6	400.00	20.00	0.00	0	0		
									point32	32	2,642.1	2,797.7	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point128	128	1,756.3	2,438.5	400.00	20.00	0.00	0	0		
									point82	82	2,282.7	2,419.2	400.00	20.00	0.00	0	0		
									point83	83	2,299.3	1,862.5	400.00	20.00	0.00	0	0		
									point84	84	1,778.4	1,845.9	400.00	20.00					
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point130	130	4,748.9	3,804.7	400.00	20.00	0.00	0	0		
									point50	50	4,780.2	3,745.7	400.00	20.00	0.00	0	0		
									point51	51	5,124.0	3,981.8	400.00	20.00	0.00	0	0		
									point52	52	5,575.4	4,353.4	400.00	20.00	0.00	0	0		
									point53	53	5,408.7	4,329.1	400.00	20.00					
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point132	132	4,314.8	3,902.0	400.00	20.00	0.00	0	0		
									point45	45	4,325.2	3,499.1	400.00	20.00	0.00	0	0		
									point46	46	4,703.7	3,704.0	400.00	20.00	0.00	0	0		

									point47	47	4,641.2	3,763.1	400.00	20.00	0.00	0	0		
									point48	48	4,398.2	3,818.6	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point134	134	3,002.2	2,419.8	400.00	20.00	0.00	0	0		
									point72	72	3,259.1	2,421.5	400.00	20.00	0.00	0	0		
									point73	73	3,260.9	1,824.3	400.00	20.00	0.00	0	0		
									point74	74	3,069.9	1,841.6	400.00	20.00	0.00	0	0		
									point75	75	3,050.8	1,938.9	400.00	20.00	0.00	0	0		
									point76	76	2,998.7	1,942.3	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point136	136	2,908.4	2,399.9	400.00	20.00	0.00	0	0		
									point78	78	2,902.9	1,868.0	400.00	20.00	0.00	0	0		
									point79	79	2,404.0	1,870.7	400.00	20.00	0.00	0	0		
									point80	80	2,382.0	2,391.7	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point138	138	3,020.2	2,801.6	400.00	20.00	0.00	0	0		
									point90	90	3,249.4	2,805.1	400.00	20.00	0.00	0	0		
									point91	91	3,252.8	2,440.4	400.00	20.00	0.00	0	0		
									point92	92	3,006.3	2,443.9	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point140	140	3,000.6	3,094.9	400.00	20.00	0.00	0	0		
									point94	94	2,998.8	3,499.4	400.00	20.00	0.00	0	0		
									point95	95	3,254.1	3,492.5	400.00	20.00	0.00	0	0		
									point96	96	3,257.5	3,138.3	400.00	20.00	0.00	0	0		
									point97	97	3,228.0	3,108.8	400.00	20.00	0.00	0	0		
									point98	98	3,229.8	3,081.0	400.00	20.00					

Dudek
MG
11 March 2020
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Existing
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.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	69.2	66	69.2	10	Snd Lvl	69.2	0.0	8	-8.0
ST2	2	1	0.0	65.7	66	65.7	10	----	65.7	0.0	8	-8.0
ST3	3	1	0.0	65.6	66	65.6	10	----	65.6	0.0	8	-8.0
ST4	4	1	0.0	67.1	66	67.1	10	Snd Lvl	67.1	0.0	8	-8.0
ST5	5	1	0.0	62.4	66	62.4	10	----	62.4	0.0	8	-8.0
ST6	6	1	0.0	65.0	66	65.0	10	----	65.0	0.0	8	-8.0
ST7	7	1	0.0	56.4	66	56.4	10	----	56.4	0.0	8	-8.0
M1	8	1	0.0	59.2	66	59.2	10	----	59.2	0.0	8	-8.0
M2	9	1	0.0	66.4	66	66.4	10	Snd Lvl	66.4	0.0	8	-8.0
M3	10	1	0.0	58.7	66	58.7	10	----	58.7	0.0	8	-8.0
M4	11	1	0.0	57.9	66	57.9	10	----	57.9	0.0	8	-8.0
M5	12	1	0.0	63.8	66	63.8	10	----	63.8	0.0	8	-8.0
M6	13	1	0.0	56.5	66	56.5	10	----	56.5	0.0	8	-8.0
M7	14	1	0.0	66.8	66	66.8	10	Snd Lvl	66.8	0.0	8	-8.0
M8	15	1	0.0	65.7	66	65.7	10	----	65.7	0.0	8	-8.0
M9	16	1	0.0	62.0	66	62.0	10	----	62.0	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	16	0.0	0.0	0.0
All Impacted	4	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**5 March 2021**							
MG					**TNM 2.5**							
INPUT: ROADWAYS							**Average pavement type shall be used unless**					
PROJECT/CONTRACT:	**11935**						**a State highway agency substantiates the use**					
RUN:	**8850 Sunset Blvd - Ex with Proj 0221**						**of a different type with the approval of FHWA**					
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**		
				X	**Y**	**Z**	**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**	
	ft			ft	ft	ft		mph	%			
Sunset Blvd. west of N. Doheny Dr.	65.0	point1	1	1,283.9	3,025.3	400.00				Average		
		point3	3	1,679.4	3,022.5	400.00						
N Doheny Dr. north of Sunset	40.0	point75	75	1,396.7	3,512.9	400.00				Average		
		point27	27	1,574.5	3,402.4	400.00				Average		
		point28	28	1,650.1	3,339.8	400.00				Average		
		point29	29	1,669.5	3,280.9	400.00				Average		
		point30	30	1,675.7	3,187.2	400.00				Average		
		point31	31	1,680.5	3,062.5	400.00				Average		
		point32	32	1,681.2	3,034.9	400.00						
Hammond St. south of Sunset	40.0	point77	77	2,330.3	3,012.6	400.00				Average		
		point36	36	2,332.0	2,465.7	400.00						
N. Clark St. north of Sunset	50.0	point79	79	2,924.0	3,844.3	400.00				Average		
		point38	38	2,952.5	3,765.6	400.00				Average		
		point39	39	2,967.8	3,041.5	400.00						
Horn Ave. north of Sunset	40.0	point83	83	3,638.0	3,084.9	400.00				Average		
		point47	47	3,618.9	3,143.9	400.00				Average		
		point48	48	3,622.4	3,644.0	400.00						
Holloway Dr. south of Sunset	50.0	point85	85	3,655.4	3,055.3	400.00				Average		
		point50	50	3,693.6	3,036.2	400.00				Average		
		point51	51	3,771.7	3,011.9	400.00				Average		
		point52	52	4,181.5	3,011.9	400.00				Average		
		point53	53	4,997.4	3,020.7	400.00						
Larrabee St. north of Sunset	40.0	point86	86	3,288.8	3,829.6	400.00				Average		
		point43	43	3,292.9	3,040.2	400.00						
Miller Dr. north of Sunset	40.0	point90	90	5,742.8	4,433.3	400.00				Average		

		point55	55	5,665.6	4,440.2	400.00				Average	
		point56	56	5,542.9	4,405.7	400.00				Average	
		point57	57	5,380.3	4,358.9	400.00				Average	
		point58	58	5,359.7	4,368.5	400.00				Average	
		point59	59	5,343.1	4,394.7	400.00					
N Doheny Dr. south of Sunset	40.0	point92	92	1,679.2	3,010.9	400.00				Average	
		point34	34	1,698.3	2,457.0	400.00					
Susnet Blvd. east of N. Doheny Dr.	65.0	point93	93	1,679.4	3,022.5	400.00				Average	
		point4	4	2,333.9	3,023.9	400.00					
Susnet Blvd. east of Hammond St	65.0	point94	94	2,333.9	3,023.9	400.00				Average	
		point5	5	2,974.7	3,032.1	400.00					
San Vicente Blvd. south of Sunset	50.0	point96	96	2,965.6	3,012.0	400.00				Average	
		point41	41	2,963.4	2,325.1	400.00					
Sunset Blvd. east of N. Clark St.	65.0	point97	97	2,974.7	3,032.1	400.00				Average	
		point6	6	3,295.8	3,029.4	400.00					
Larrabee St. south of Sunset	40.0	point100	100	3,293.2	3,017.5	400.00				Average	
		point45	45	3,293.2	2,337.2	400.00					
Sunset Blvd. east of Larrabee St	65.0	point101	101	3,295.8	3,029.4	400.00				Average	
		point7	7	3,557.1	3,033.7	400.00				Average	
		point8	8	3,610.1	3,053.7	400.00				Average	
		point9	9	3,647.4	3,066.7	400.00					
Sunset Blvd. east of Horn / Holloway	65.0	point104	104	3,647.4	3,066.7	400.00				Average	
		point10	10	3,699.5	3,094.5	400.00				Average	
		point11	11	3,783.7	3,163.9	400.00				Average	
		point12	12	3,912.2	3,269.9	400.00				Average	
		point13	13	3,969.4	3,308.1	400.00				Average	
		point14	14	4,038.9	3,341.0	400.00				Average	
		point15	15	4,235.9	3,408.6	400.00				Average	
		point16	16	4,380.7	3,469.2	400.00				Average	
		point17	17	4,769.3	3,682.8	400.00				Average	
		point18	18	4,934.6	3,779.3	400.00					
Sunset Blvd. west of La Cienega	65.0	point105	105	5,762.3	4,425.2	400.00				Average	
		point23	23	5,838.7	4,459.9	400.00				Average	
		point24	24	6,123.4	4,546.7	400.00				Average	
		point25	25	6,331.7	4,598.8	400.00					
N. La Cienega Bld. south of Sunset Blvd.	65.0	point106	106	5,775.2	4,407.9	400.00				Average	
		point107	107	5,751.7	3,068.0	400.00					
San Vicente Blvd. north of Cynthia Ave	50.0	point108	108	2,962.7	2,316.3	400.00				Average	
		point109	109	2,968.1	1,975.5	400.00				Average	

		point110	110	2,973.5	1,841.4	400.00					
Cynthia St. west of San Vicente	40.0	point111	111	1,782.2	1,801.1	400.00				Average	
		point112	112	2,345.6	1,819.9	400.00				Average	
		point113	113	2,909.1	1,819.9	400.00				Average	
		point116	116	2,976.2	1,806.5	400.00					
Cynthia St. east of San Vicente	40.0	point117	117	2,976.2	1,806.5	400.00				Average	
		point114	114	3,043.2	1,793.1	400.00				Average	
		point115	115	3,316.9	1,760.9	400.00					
Sunset Blvd. east of Horn / Holloway-2	65.0	point118	118	4,934.6	3,779.3	400.00				Average	
		point19	19	5,043.5	3,859.2	400.00				Average	
		point20	20	5,432.4	4,178.7	400.00				Average	
		point21	21	5,710.2	4,387.0	400.00				Average	
		point22	22	5,762.3	4,425.2	400.00					
San Vicente Blvd. south of Cynthia Ave	12.0	point119	119	2,973.2	1,767.9	0.00				Average	
		point120	120	3,110.6	1,155.2	0.00					

Dudek 5 March 2021
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INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Ex with Proj 0221

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Sunset Blvd. west of N. Doheny Dr.	point1	1	2106	97	35	2	35	1	35	0	0	0	0
	point3	3											
N Doheny Dr. north of Sunset	point75	75	311	97	25	2	25	1	25	0	0	0	0
	point27	27	311	97	25	2	25	1	25	0	0	0	0
	point28	28	311	97	25	2	25	1	25	0	0	0	0
	point29	29	311	97	25	2	25	1	25	0	0	0	0
	point30	30	311	97	25	2	25	1	25	0	0	0	0
	point31	31	311	97	25	2	25	1	25	0	0	0	0
	point32	32											
Hammond St. south of Sunset	point77	77	198	97	25	2	25	1	25	0	0	0	0
	point36	36											
N. Clark St. north of Sunset	point79	79	135	97	25	2	25	1	25	0	0	0	0
	point38	38	135	97	25	2	25	1	25	0	0	0	0
	point39	39											
Horn Ave. north of Sunset	point83	83	111	97	25	2	25	1	25	0	0	0	0
	point47	47	111	97	25	2	25	1	25	0	0	0	0
	point48	48											
Holloway Dr. south of Sunset	point85	85	876	97	35	2	35	1	35	0	0	0	0
	point50	50	876	97	35	2	35	1	35	0	0	0	0
	point51	51	876	97	35	2	35	1	35	0	0	0	0
	point52	52	876	97	35	2	35	1	35	0	0	0	0
	point53	53											
Larrabee St. north of Sunset	point86	86	109	97	25	2	25	1	25	0	0	0	0

	point43	43											
Miller Dr. north of Sunset	point90	90	79	97	25	2	25	1	25	0	0	0	0
	point55	55	79	97	25	2	25	1	25	0	0	0	0
	point56	56	79	97	25	2	25	1	25	0	0	0	0
	point57	57	79	97	25	2	25	1	25	0	0	0	0
	point58	58	79	97	25	2	25	1	25	0	0	0	0
	point59	59											
N Doheny Dr. south of Sunset	point92	92	844	97	35	2	35	1	35	0	0	0	0
	point34	34											
Susnet Blvd. east of N. Doheny Dr.	point93	93	2679	97	35	2	35	1	35	0	0	0	0
	point4	4											
Susnet Blvd. east of Hammond St	point94	94	2809	97	35	2	35	1	35	0	0	0	0
	point5	5											
San Vicente Blvd. south of Sunset	point96	96	1037	97	35	2	35	1	35	0	0	0	0
	point41	41											
Sunset Blvd. east of N. Clark St.	point97	97	3179	97	35	2	35	1	35	0	0	0	0
	point6	6											
Larrabee St. south of Sunset	point100	100	493	97	25	2	25	1	25	0	0	0	0
	point45	45											
Sunset Blvd. east of Larrabee St	point101	101	3494	97	35	2	35	1	35	0	0	0	0
	point7	7	3494	97	35	2	35	1	35	0	0	0	0
	point8	8	3494	97	35	2	35	1	35	0	0	0	0
	point9	9											
Sunset Blvd. east of Horn / Holloway	point104	104	2647	97	35	2	35	1	35	0	0	0	0
	point10	10	2647	97	35	2	35	1	35	0	0	0	0
	point11	11	2647	97	35	2	35	1	35	0	0	0	0
	point12	12	2647	97	35	2	35	1	35	0	0	0	0
	point13	13	2647	97	35	2	35	1	35	0	0	0	0
	point14	14	2647	97	35	2	35	1	35	0	0	0	0
	point15	15	2647	97	35	2	35	1	35	0	0	0	0
	point16	16	2647	97	35	2	35	1	35	0	0	0	0
	point17	17	2647	97	35	2	35	1	35	0	0	0	0
	point18	18											
Sunset Blvd. west of La Cienega	point105	105	3032	97	35	2	35	1	35	0	0	0	0
	point23	23	3032	97	35	2	35	1	35	0	0	0	0
	point24	24	3032	97	35	2	35	1	35	0	0	0	0

	point25	25											
N. La Cienega Bld. south of Sunset Blvd.	point106	106	1043	97	35	2	35	1	35	0	0	0	0
	point107	107											
San Vicente Blvd. north of Cynthia Ave	point108	108	995	97	35	2	35	1	35	0	0	0	0
	point109	109	995	97	35	2	35	1	35	0	0	0	0
	point110	110											
Cynthia St. west of San Vicente	point111	111	840	97	25	2	25	1	25	0	0	0	0
	point112	112	840	97	25	2	25	1	25	0	0	0	0
	point113	113	840	97	25	2	25	1	25	0	0	0	0
	point116	116											
Cynthia St. east of San Vicente	point117	117	700	97	25	2	25	1	25	0	0	0	0
	point114	114	700	97	25	2	25	1	25	0	0	0	0
	point115	115											
Sunset Blvd. east of Horn / Holloway-2	point118	118	3058	97	35	2	35	1	35	0	0	0	0
	point19	19	3058	97	35	2	35	1	35	0	0	0	0
	point20	20	3058	97	35	2	35	1	35	0	0	0	0
	point21	21	3058	97	35	2	35	1	35	0	0	0	0
	point22	22											
San Vicente Blvd. south of Cynthia Ave	point119	119	1285	97	35	2	35	1	35	0	0	0	0
	point120	120											

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INPUT: RECEIVERS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Ex with Proj 0221

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	3,249.0	2,979.7	400.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	3,003.5	2,915.2	400.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	2,927.7	2,837.3	400.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	2,990.9	2,740.1	400.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	3,315.4	2,827.6	400.00	5.00	0.00	66	10.0	8.0	Y
ST6	6	1	3,253.3	3,117.6	400.00	5.00	0.00	66	10.0	8.0	Y
ST7	7	1	3,115.7	2,825.9	400.00	5.00	0.00	66	10.0	8.0	Y
M1	8	1	1,635.0	3,214.3	400.00	5.00	0.00	66	10.0	8.0	Y
M2	9	1	1,716.4	2,755.3	400.00	5.00	0.00	66	10.0	8.0	Y
M3	10	1	2,361.3	2,744.3	400.00	5.00	0.00	66	10.0	8.0	Y
M4	11	1	2,993.6	3,256.4	400.00	5.00	0.00	66	10.0	8.0	Y
M5	12	1	3,016.5	1,853.7	400.00	5.00	0.00	66	10.0	8.0	Y
M6	13	1	3,648.2	3,381.8	400.00	5.00	0.00	66	10.0	8.0	Y
M7	14	1	4,061.0	2,985.1	400.00	5.00	0.00	66	10.0	8.0	Y
M8	15	1	5,623.8	4,452.8	400.00	5.00	0.00	66	10.0	8.0	Y
M9	16	1	5,681.1	3,846.8	400.00	5.00	0.00	66	10.0	8.0	Y

Dudek 5 March 2021
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Ex with Proj 0221

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per	$ per	Top	Run:Rise	$ per			X	Y	Z	at	Seg Ht	Perturbs		On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	1,425.2	3,440.0	400.00	20.00	0.00	0	0		
									point3	3	1,587.8	3,338.0	400.00	20.00	0.00	0	0		
									point4	4	1,591.2	3,319.4	400.00	20.00	0.00	0	0		
									point5	5	1,439.0	3,322.2	400.00	20.00	0.00	0	0		
									point6	6	1,445.2	3,265.7	400.00	20.00	0.00	0	0		
									point7	7	1,622.2	3,262.3	400.00	20.00	0.00	0	0		
									point8	8	1,627.0	3,081.0	400.00	20.00	0.00	0	0		
									point9	9	1,595.4	3,063.8	400.00	20.00	0.00	0	0		
									point10	10	1,452.7	3,070.0	400.00	20.00					
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point107	107	3,321.8	3,501.2	400.00	20.00	0.00	0	0		
									point101	101	3,589.2	3,504.6	400.00	20.00	0.00	0	0		
									point102	102	3,582.2	3,334.5	400.00	20.00	0.00	0	0		
									point103	103	3,476.3	3,334.5	400.00	20.00	0.00	0	0		
									point104	104	3,467.6	3,225.1	400.00	20.00	0.00	0	0		
									point105	105	3,528.4	3,218.1	400.00	20.00	0.00	0	0		
									point100	100	3,523.2	3,110.5	400.00	20.00	0.00	0	0		
									point2	2	3,330.5	3,084.4	400.00	20.00					
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point109	109	3,650.2	3,568.0	400.00	20.00	0.00	0	0		
									point39	39	3,658.8	3,154.8	400.00	20.00	0.00	0	0		
									point40	40	3,717.9	3,180.9	400.00	20.00	0.00	0	0		
									point41	41	3,993.9	3,371.8	400.00	20.00	0.00	0	0		
									point42	42	4,254.4	3,479.5	400.00	20.00	0.00	0	0		
									point43	43	4,273.5	3,847.6	400.00	20.00					
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point111	111	3,842.7	3,171.3	400.00	20.00	0.00	0	0		
									point55	55	3,943.3	3,232.5	400.00	20.00	0.00	0	0		
									point56	56	4,112.8	3,310.2	400.00	20.00	0.00	0	0		
									point57	57	4,358.9	3,382.4	400.00	20.00	0.00	0	0		
									point58	58	4,503.3	3,453.5	400.00	20.00	0.00	0	0		
									point59	59	4,913.1	3,682.6	400.00	20.00	0.00	0	0		
									point60	60	5,229.1	3,911.8	400.00	20.00	0.00	0	0		
									point61	61	5,708.3	4,273.0	400.00	20.00	0.00	0	0		
									point62	62	5,677.1	4,040.3	400.00	20.00	0.00	0	0		
									point63	63	5,663.2	3,880.6	400.00	20.00	0.00	0	0		
									point64	64	5,663.2	3,085.4	400.00	20.00	0.00	0	0		
									point65	65	3,864.4	3,071.5	400.00	20.00					

Barrier1-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point113	113	3,798.9	2,975.1	400.00	20.00	0.00	0	0	
									point67	67	4,408.1	2,977.9	400.00	20.00	0.00	0	0	
									point68	68	5,675.6	2,998.7	400.00	20.00	0.00	0	0	
									point69	69	5,658.2	2,693.1	400.00	20.00	0.00	0	0	
									point70	70	3,814.2	2,588.9	400.00	20.00				
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point115	115	3,328.9	2,981.2	400.00	20.00	0.00	0	0	
									point34	34	3,523.4	2,981.2	400.00	20.00	0.00	0	0	
									point35	35	3,717.9	2,967.3	400.00	20.00	0.00	0	0	
									point36	36	3,716.1	2,567.9	400.00	20.00	0.00	0	0	
									point37	37	3,332.4	2,573.1	400.00	20.00				
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point117	117	3,011.5	2,978.7	400.00	20.00	0.00	0	0	
									point86	86	3,233.8	2,983.9	400.00	20.00	0.00	0	0	
									point87	87	3,251.1	2,938.7	400.00	20.00	0.00	0	0	
									point88	88	3,001.1	2,931.8	400.00	20.00				
Barrier1-2	W	0.00	99.99	0.00				0.00	point119	119	2,929.5	3,076.7	400.00	20.00	0.00	0	0	
									point16	16	2,922.5	3,489.9	400.00	20.00				
Barrier1-2-2-2	W	0.00	99.99	0.00				0.00	point121	121	1,748.2	2,967.3	400.00	20.00	0.00	0	0	
									point21	21	2,159.5	2,976.1	400.00	20.00	0.00	0	0	
									point22	22	2,282.0	2,971.7	400.00	20.00	0.00	0	0	
									point23	23	2,290.7	2,442.3	400.00	20.00	0.00	0	0	
									point24	24	1,770.1	2,459.8	400.00	20.00				
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point122	122	1,481.1	2,980.3	400.00	20.00	0.00	0	0	
									point18	18	1,639.1	2,975.2	400.00	20.00	0.00	0	0	
									point19	19	1,630.3	2,415.1	400.00	20.00				
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point124	124	1,708.4	3,249.9	400.00	20.00	0.00	0	0	
									point12	12	1,703.6	3,052.8	400.00	20.00	0.00	0	0	
									point13	13	2,026.7	3,063.1	400.00	20.00	0.00	0	0	
									point14	14	2,257.6	3,079.5	400.00	20.00	0.00	0	0	
									point15	15	2,929.5	3,076.7	400.00	20.00				
Barrier1-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point126	126	2,385.1	2,783.9	400.00	20.00	0.00	0	0	
									point26	26	2,381.6	2,447.0	400.00	20.00	0.00	0	0	
									point27	27	2,937.2	2,453.9	400.00	20.00	0.00	0	0	
									point28	28	2,909.4	2,877.6	400.00	20.00	0.00	0	0	
									point29	29	2,881.7	2,884.5	400.00	20.00	0.00	0	0	
									point30	30	2,888.6	3,006.1	400.00	20.00	0.00	0	0	
									point31	31	2,638.6	3,009.6	400.00	20.00	0.00	0	0	
									point32	32	2,642.1	2,797.7	400.00	20.00				
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point128	128	1,756.3	2,438.5	400.00	20.00	0.00	0	0	
									point82	82	2,282.7	2,419.2	400.00	20.00	0.00	0	0	
									point83	83	2,299.3	1,862.5	400.00	20.00	0.00	0	0	
									point84	84	1,778.4	1,845.9	400.00	20.00				
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point130	130	4,748.9	3,804.7	400.00	20.00	0.00	0	0	
									point50	50	4,780.2	3,745.7	400.00	20.00	0.00	0	0	
									point51	51	5,124.0	3,981.8	400.00	20.00	0.00	0	0	
									point52	52	5,575.4	4,353.4	400.00	20.00	0.00	0	0	
									point53	53	5,408.7	4,329.1	400.00	20.00				
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point132	132	4,314.8	3,902.0	400.00	20.00	0.00	0	0	
									point45	45	4,325.2	3,499.1	400.00	20.00	0.00	0	0	
									point46	46	4,703.7	3,704.0	400.00	20.00	0.00	0	0	

									point47	47	4,641.2	3,763.1	400.00	20.00	0.00	0	0		
									point48	48	4,398.2	3,818.6	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point134	134	3,002.2	2,419.8	400.00	20.00	0.00	0	0		
									point72	72	3,259.1	2,421.5	400.00	20.00	0.00	0	0		
									point73	73	3,260.9	1,824.3	400.00	20.00	0.00	0	0		
									point74	74	3,069.9	1,841.6	400.00	20.00	0.00	0	0		
									point75	75	3,050.8	1,938.9	400.00	20.00	0.00	0	0		
									point76	76	2,998.7	1,942.3	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point136	136	2,908.4	2,399.9	400.00	20.00	0.00	0	0		
									point78	78	2,902.9	1,868.0	400.00	20.00	0.00	0	0		
									point79	79	2,404.0	1,870.7	400.00	20.00	0.00	0	0		
									point80	80	2,382.0	2,391.7	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point138	138	3,020.2	2,801.6	400.00	20.00	0.00	0	0		
									point90	90	3,249.4	2,805.1	400.00	20.00	0.00	0	0		
									point91	91	3,252.8	2,440.4	400.00	20.00	0.00	0	0		
									point92	92	3,006.3	2,443.9	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point140	140	3,000.6	3,094.9	400.00	20.00	0.00	0	0		
									point94	94	2,998.8	3,499.4	400.00	20.00	0.00	0	0		
									point95	95	3,254.1	3,492.5	400.00	20.00	0.00	0	0		
									point96	96	3,257.5	3,138.3	400.00	20.00	0.00	0	0		
									point97	97	3,228.0	3,108.8	400.00	20.00	0.00	0	0		
									point98	98	3,229.8	3,081.0	400.00	20.00					

Dudek
MG
5 March 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Ex with Proj 0221
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.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0
ST2	2	1	0.0	66.4	66	66.4	10	Snd Lvl	66.4	0.0	8	-8.0
ST3	3	1	0.0	66.4	66	66.4	10	Snd Lvl	66.4	0.0	8	-8.0
ST4	4	1	0.0	67.9	66	67.9	10	Snd Lvl	67.9	0.0	8	-8.0
ST5	5	1	0.0	63.2	66	63.2	10	----	63.2	0.0	8	-8.0
ST6	6	1	0.0	65.2	66	65.2	10	----	65.2	0.0	8	-8.0
ST7	7	1	0.0	57.0	66	57.0	10	----	57.0	0.0	8	-8.0
M1	8	1	0.0	59.3	66	59.3	10	----	59.3	0.0	8	-8.0
M2	9	1	0.0	66.6	66	66.6	10	Snd Lvl	66.6	0.0	8	-8.0
M3	10	1	0.0	58.8	66	58.8	10	----	58.8	0.0	8	-8.0
M4	11	1	0.0	58.1	66	58.1	10	----	58.1	0.0	8	-8.0
M5	12	1	0.0	64.2	66	64.2	10	----	64.2	0.0	8	-8.0
M6	13	1	0.0	56.5	66	56.5	10	----	56.5	0.0	8	-8.0
M7	14	1	0.0	67.2	66	67.2	10	Snd Lvl	67.2	0.0	8	-8.0
M8	15	1	0.0	65.8	66	65.8	10	----	65.8	0.0	8	-8.0
M9	16	1	0.0	62.0	66	62.0	10	----	62.0	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	16	0.0	0.0	0.0
All Impacted	6	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**8 March 2021**							
MG					**TNM 2.5**							
INPUT: ROADWAYS							**Average pavement type shall be used unless**					
PROJECT/CONTRACT:	**11935**						**a State highway agency substantiates the use**					
RUN:	**8850 Sunset Blvd - Future 0221**						**of a different type with the approval of FHWA**					
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**		
				X	**Y**	**Z**	**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**	
	ft			ft	ft	ft		mph	%			
Sunset Blvd. west of N. Doheny Dr.	65.0	point1	1	1,283.9	3,025.3	400.00				Average		
		point3	3	1,679.4	3,022.5	400.00						
N Doheny Dr. north of Sunset	40.0	point75	75	1,396.7	3,512.9	400.00				Average		
		point27	27	1,574.5	3,402.4	400.00				Average		
		point28	28	1,650.1	3,339.8	400.00				Average		
		point29	29	1,669.5	3,280.9	400.00				Average		
		point30	30	1,675.7	3,187.2	400.00				Average		
		point31	31	1,680.5	3,062.5	400.00				Average		
		point32	32	1,681.2	3,034.9	400.00						
Hammond St. south of Sunset	40.0	point77	77	2,330.3	3,012.6	400.00				Average		
		point36	36	2,332.0	2,465.7	400.00						
N. Clark St. north of Sunset	50.0	point79	79	2,924.0	3,844.3	400.00				Average		
		point38	38	2,952.5	3,765.6	400.00				Average		
		point39	39	2,967.8	3,041.5	400.00						
Horn Ave. north of Sunset	40.0	point83	83	3,638.0	3,084.9	400.00				Average		
		point47	47	3,618.9	3,143.9	400.00				Average		
		point48	48	3,622.4	3,644.0	400.00						
Holloway Dr. south of Sunset	50.0	point85	85	3,655.4	3,055.3	400.00				Average		
		point50	50	3,693.6	3,036.2	400.00				Average		
		point51	51	3,771.7	3,011.9	400.00				Average		
		point52	52	4,181.5	3,011.9	400.00				Average		
		point53	53	4,997.4	3,020.7	400.00						
Larrabee St. north of Sunset	40.0	point86	86	3,288.8	3,829.6	400.00				Average		
		point43	43	3,292.9	3,040.2	400.00						
Miller Dr. north of Sunset	40.0	point90	90	5,742.8	4,433.3	400.00				Average		

		point55	55	5,665.6	4,440.2	400.00				Average	
		point56	56	5,542.9	4,405.7	400.00				Average	
		point57	57	5,380.3	4,358.9	400.00				Average	
		point58	58	5,359.7	4,368.5	400.00				Average	
		point59	59	5,343.1	4,394.7	400.00					
N Doheny Dr. south of Sunset	40.0	point92	92	1,679.2	3,010.9	400.00				Average	
		point34	34	1,698.3	2,457.0	400.00					
Susnet Blvd. east of N. Doheny Dr.	65.0	point93	93	1,679.4	3,022.5	400.00				Average	
		point4	4	2,333.9	3,023.9	400.00					
Susnet Blvd. east of Hammond St	65.0	point94	94	2,333.9	3,023.9	400.00				Average	
		point5	5	2,974.7	3,032.1	400.00					
San Vicente Blvd. south of Sunset	50.0	point96	96	2,965.6	3,012.0	400.00				Average	
		point41	41	2,963.4	2,325.1	400.00					
Sunset Blvd. east of N. Clark St.	65.0	point97	97	2,974.7	3,032.1	400.00				Average	
		point6	6	3,295.8	3,029.4	400.00					
Larrabee St. south of Sunset	40.0	point100	100	3,293.2	3,017.5	400.00				Average	
		point45	45	3,293.2	2,337.2	400.00					
Sunset Blvd. east of Larrabee St	65.0	point101	101	3,295.8	3,029.4	400.00				Average	
		point7	7	3,557.1	3,033.7	400.00				Average	
		point8	8	3,610.1	3,053.7	400.00				Average	
		point9	9	3,647.4	3,066.7	400.00					
Sunset Blvd. east of Horn / Holloway	65.0	point104	104	3,647.4	3,066.7	400.00				Average	
		point10	10	3,699.5	3,094.5	400.00				Average	
		point11	11	3,783.7	3,163.9	400.00				Average	
		point12	12	3,912.2	3,269.9	400.00				Average	
		point13	13	3,969.4	3,308.1	400.00				Average	
		point14	14	4,038.9	3,341.0	400.00				Average	
		point15	15	4,235.9	3,408.6	400.00				Average	
		point16	16	4,380.7	3,469.2	400.00				Average	
		point17	17	4,769.3	3,682.8	400.00				Average	
		point18	18	4,934.6	3,779.3	400.00					
Sunset Blvd. west of La Cienega	65.0	point105	105	5,762.3	4,425.2	400.00				Average	
		point23	23	5,838.7	4,459.9	400.00				Average	
		point24	24	6,123.4	4,546.7	400.00				Average	
		point25	25	6,331.7	4,598.8	400.00					
N. La Cienega Bld. south of Sunset Blvd.	65.0	point106	106	5,775.2	4,407.9	400.00				Average	
		point107	107	5,751.7	3,068.0	400.00					
San Vicente Blvd. north of Cynthia Ave	50.0	point108	108	2,962.7	2,316.3	400.00				Average	
		point109	109	2,968.1	1,975.5	400.00				Average	

		point110	110	2,973.5	1,841.4	400.00					
Cynthia St. west of San Vicente	40.0	point111	111	1,782.2	1,801.1	400.00				Average	
		point112	112	2,345.6	1,819.9	400.00				Average	
		point113	113	2,909.1	1,819.9	400.00				Average	
		point116	116	2,976.2	1,806.5	400.00					
Cynthia St. east of San Vicente	40.0	point117	117	2,976.2	1,806.5	400.00				Average	
		point114	114	3,043.2	1,793.1	400.00				Average	
		point115	115	3,316.9	1,760.9	400.00					
Sunset Blvd. east of Horn / Holloway-2	65.0	point118	118	4,934.6	3,779.3	400.00				Average	
		point19	19	5,043.5	3,859.2	400.00				Average	
		point20	20	5,432.4	4,178.7	400.00				Average	
		point21	21	5,710.2	4,387.0	400.00				Average	
		point22	22	5,762.3	4,425.2	400.00					
San Vicente Blvd. south of Cynthia Ave	12.0	point119	119	2,973.2	1,767.9	0.00				Average	
		point120	120	3,110.6	1,155.2	0.00					

Dudek 8 March 2021
MG TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Future 0221

Roadway	Points		Segment										
Name	Name	No.	Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Sunset Blvd. west of N. Doheny Dr.	point1	1	2522	97	35	2	35	1	35	0	0	0	0
	point3	3											
N Doheny Dr. north of Sunset	point75	75	331	97	25	2	25	1	25	0	0	0	0
	point27	27	331	97	25	2	25	1	25	0	0	0	0
	point28	28	331	97	25	2	25	1	25	0	0	0	0
	point29	29	331	97	25	2	25	1	25	0	0	0	0
	point30	30	331	97	25	2	25	1	25	0	0	0	0
	point31	31	331	97	25	2	25	1	25	0	0	0	0
	point32	32											
Hammond St. south of Sunset	point77	77	348	97	25	2	25	1	25	0	0	0	0
	point36	36											
N. Clark St. north of Sunset	point79	79	142	97	25	2	25	1	25	0	0	0	0
	point38	38	142	97	25	2	25	1	25	0	0	0	0
	point39	39											
Horn Ave. north of Sunset	point83	83	118	97	25	2	25	1	25	0	0	0	0
	point47	47	118	97	25	2	25	1	25	0	0	0	0
	point48	48											
Holloway Dr. south of Sunset	point85	85	951	97	35	2	35	1	35	0	0	0	0
	point50	50	951	97	35	2	35	1	35	0	0	0	0
	point51	51	951	97	35	2	35	1	35	0	0	0	0
	point52	52	951	97	35	2	35	1	35	0	0	0	0
	point53	53											
Larrabee St. north of Sunset	point86	86	117	97	25	2	25	1	25	0	0	0	0

	point43	43											
Miller Dr. north of Sunset	point90	90	85	97	25	2	25	1	25	0	0	0	0
	point55	55	85	97	25	2	25	1	25	0	0	0	0
	point56	56	85	97	25	2	25	1	25	0	0	0	0
	point57	57	85	97	25	2	25	1	25	0	0	0	0
	point58	58	85	97	25	2	25	1	25	0	0	0	0
	point59	59											
N Doheny Dr. south of Sunset	point92	92	1162	97	35	2	35	1	35	0	0	0	0
	point34	34											
Susnet Blvd. east of N. Doheny Dr.	point93	93	3391	97	35	2	35	1	35	0	0	0	0
	point4	4											
Susnet Blvd. east of Hammond St	point94	94	3552	97	35	2	35	1	35	0	0	0	0
	point5	5											
San Vicente Blvd. south of Sunset	point96	96	1067	97	35	2	35	1	35	0	0	0	0
	point41	41											
Sunset Blvd. east of N. Clark St.	point97	97	3718	97	35	2	35	1	35	0	0	0	0
	point6	6											
Larrabee St. south of Sunset	point100	100	418	97	25	2	25	1	25	0	0	0	0
	point45	45											
Sunset Blvd. east of Larrabee St	point101	101	4061	97	35	2	35	1	35	0	0	0	0
	point7	7	4061	97	35	2	35	1	35	0	0	0	0
	point8	8	4061	97	35	2	35	1	35	0	0	0	0
	point9	9											
Sunset Blvd. east of Horn / Holloway	point104	104	3140	97	35	2	35	1	35	0	0	0	0
	point10	10	3140	97	35	2	35	1	35	0	0	0	0
	point11	11	3140	97	35	2	35	1	35	0	0	0	0
	point12	12	3140	97	35	2	35	1	35	0	0	0	0
	point13	13	3140	97	35	2	35	1	35	0	0	0	0
	point14	14	3140	97	35	2	35	1	35	0	0	0	0
	point15	15	3140	97	35	2	35	1	35	0	0	0	0
	point16	16	3140	97	35	2	35	1	35	0	0	0	0
	point17	17	3140	97	35	2	35	1	35	0	0	0	0
	point18	18											
Sunset Blvd. west of La Cienega	point105	105	3473	97	35	2	35	1	35	0	0	0	0
	point23	23	3473	97	35	2	35	1	35	0	0	0	0
	point24	24	3473	97	35	2	35	1	35	0	0	0	0

	point25	25											
N. La Cienega Bld. south of Sunset Blvd.	point106	106	1106	97	35	2	35	1	35	0	0	0	0
	point107	107											
San Vicente Blvd. north of Cynthia Ave	point108	108	1107	97	35	2	35	1	35	0	0	0	0
	point109	109	1107	97	35	2	35	1	35	0	0	0	0
	point110	110											
Cynthia St. west of San Vicente	point111	111	910	97	25	2	25	1	25	0	0	0	0
	point112	112	910	97	25	2	25	1	25	0	0	0	0
	point113	113	910	97	25	2	25	1	25	0	0	0	0
	point116	116											
Cynthia St. east of San Vicente	point117	117	731	97	25	2	25	1	25	0	0	0	0
	point114	114	731	97	25	2	25	1	25	0	0	0	0
	point115	115											
Sunset Blvd. east of Horn / Holloway-2	point118	118	3502	97	35	2	35	1	35	0	0	0	0
	point19	19	3502	97	35	2	35	1	35	0	0	0	0
	point20	20	3502	97	35	2	35	1	35	0	0	0	0
	point21	21	3502	97	35	2	35	1	35	0	0	0	0
	point22	22											
San Vicente Blvd. south of Cynthia Ave	point119	119	1381	97	35	2	35	1	35	0	0	0	0
	point120	120											

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8 March 2021
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Future 0221

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	3,249.0	2,979.7	400.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	3,003.5	2,915.2	400.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	2,927.7	2,837.3	400.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	2,990.9	2,740.1	400.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	3,315.4	2,827.6	400.00	5.00	0.00	66	10.0	8.0	Y
ST6	6	1	3,253.3	3,117.6	400.00	5.00	0.00	66	10.0	8.0	Y
ST7	7	1	3,115.7	2,825.9	400.00	5.00	0.00	66	10.0	8.0	Y
M1	8	1	1,635.0	3,214.3	400.00	5.00	0.00	66	10.0	8.0	Y
M2	9	1	1,716.4	2,755.3	400.00	5.00	0.00	66	10.0	8.0	Y
M3	10	1	2,361.3	2,744.3	400.00	5.00	0.00	66	10.0	8.0	Y
M4	11	1	2,993.6	3,256.4	400.00	5.00	0.00	66	10.0	8.0	Y
M5	12	1	3,016.5	1,853.7	400.00	5.00	0.00	66	10.0	8.0	Y
M6	13	1	3,648.2	3,381.8	400.00	5.00	0.00	66	10.0	8.0	Y
M7	14	1	4,061.0	2,985.1	400.00	5.00	0.00	66	10.0	8.0	Y
M8	15	1	5,623.8	4,452.8	400.00	5.00	0.00	66	10.0	8.0	Y
M9	16	1	5,681.1	3,846.8	400.00	5.00	0.00	66	10.0	8.0	Y

Dudek 8 March 2021
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Future 0221

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per	$ per	Top	Run:Rise	$ per			X	Y	Z	at	Seg Ht	Perturbs		On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	1,425.2	3,440.0	400.00	20.00	0.00	0	0		
									point3	3	1,587.8	3,338.0	400.00	20.00	0.00	0	0		
									point4	4	1,591.2	3,319.4	400.00	20.00	0.00	0	0		
									point5	5	1,439.0	3,322.2	400.00	20.00	0.00	0	0		
									point6	6	1,445.2	3,265.7	400.00	20.00	0.00	0	0		
									point7	7	1,622.2	3,262.3	400.00	20.00	0.00	0	0		
									point8	8	1,627.0	3,081.0	400.00	20.00	0.00	0	0		
									point9	9	1,595.4	3,063.8	400.00	20.00	0.00	0	0		
									point10	10	1,452.7	3,070.0	400.00	20.00					
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point107	107	3,321.8	3,501.2	400.00	20.00	0.00	0	0		
									point101	101	3,589.2	3,504.6	400.00	20.00	0.00	0	0		
									point102	102	3,582.2	3,334.5	400.00	20.00	0.00	0	0		
									point103	103	3,476.3	3,334.5	400.00	20.00	0.00	0	0		
									point104	104	3,467.6	3,225.1	400.00	20.00	0.00	0	0		
									point105	105	3,528.4	3,218.1	400.00	20.00	0.00	0	0		
									point100	100	3,523.2	3,110.5	400.00	20.00	0.00	0	0		
									point2	2	3,330.5	3,084.4	400.00	20.00					
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point109	109	3,650.2	3,568.0	400.00	20.00	0.00	0	0		
									point39	39	3,658.8	3,154.8	400.00	20.00	0.00	0	0		
									point40	40	3,717.9	3,180.9	400.00	20.00	0.00	0	0		
									point41	41	3,993.9	3,371.8	400.00	20.00	0.00	0	0		
									point42	42	4,254.4	3,479.5	400.00	20.00	0.00	0	0		
									point43	43	4,273.5	3,847.6	400.00	20.00					
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point111	111	3,842.7	3,171.3	400.00	20.00	0.00	0	0		
									point55	55	3,943.3	3,232.5	400.00	20.00	0.00	0	0		
									point56	56	4,112.8	3,310.2	400.00	20.00	0.00	0	0		
									point57	57	4,358.9	3,382.4	400.00	20.00	0.00	0	0		
									point58	58	4,503.3	3,453.5	400.00	20.00	0.00	0	0		
									point59	59	4,913.1	3,682.6	400.00	20.00	0.00	0	0		
									point60	60	5,229.1	3,911.8	400.00	20.00	0.00	0	0		
									point61	61	5,708.3	4,273.0	400.00	20.00	0.00	0	0		
									point62	62	5,677.1	4,040.3	400.00	20.00	0.00	0	0		
									point63	63	5,663.2	3,880.6	400.00	20.00	0.00	0	0		
									point64	64	5,663.2	3,085.4	400.00	20.00	0.00	0	0		
									point65	65	3,864.4	3,071.5	400.00	20.00					

Barrier1-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point113	113	3,798.9	2,975.1	400.00	20.00	0.00	0	0	
									point67	67	4,408.1	2,977.9	400.00	20.00	0.00	0	0	
									point68	68	5,675.6	2,998.7	400.00	20.00	0.00	0	0	
									point69	69	5,658.2	2,693.1	400.00	20.00	0.00	0	0	
									point70	70	3,814.2	2,588.9	400.00	20.00				
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point115	115	3,328.9	2,981.2	400.00	20.00	0.00	0	0	
									point34	34	3,523.4	2,981.2	400.00	20.00	0.00	0	0	
									point35	35	3,717.9	2,967.3	400.00	20.00	0.00	0	0	
									point36	36	3,716.1	2,567.9	400.00	20.00	0.00	0	0	
									point37	37	3,332.4	2,573.1	400.00	20.00				
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point117	117	3,011.5	2,978.7	400.00	20.00	0.00	0	0	
									point86	86	3,233.8	2,983.9	400.00	20.00	0.00	0	0	
									point87	87	3,251.1	2,938.7	400.00	20.00	0.00	0	0	
									point88	88	3,001.1	2,931.8	400.00	20.00				
Barrier1-2	W	0.00	99.99	0.00				0.00	point119	119	2,929.5	3,076.7	400.00	20.00	0.00	0	0	
									point16	16	2,922.5	3,489.9	400.00	20.00				
Barrier1-2-2-2	W	0.00	99.99	0.00				0.00	point121	121	1,748.2	2,967.3	400.00	20.00	0.00	0	0	
									point21	21	2,159.5	2,976.1	400.00	20.00	0.00	0	0	
									point22	22	2,282.0	2,971.7	400.00	20.00	0.00	0	0	
									point23	23	2,290.7	2,442.3	400.00	20.00	0.00	0	0	
									point24	24	1,770.1	2,459.8	400.00	20.00				
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point122	122	1,481.1	2,980.3	400.00	20.00	0.00	0	0	
									point18	18	1,639.1	2,975.2	400.00	20.00	0.00	0	0	
									point19	19	1,630.3	2,415.1	400.00	20.00				
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point124	124	1,708.4	3,249.9	400.00	20.00	0.00	0	0	
									point12	12	1,703.6	3,052.8	400.00	20.00	0.00	0	0	
									point13	13	2,026.7	3,063.1	400.00	20.00	0.00	0	0	
									point14	14	2,257.6	3,079.5	400.00	20.00	0.00	0	0	
									point15	15	2,929.5	3,076.7	400.00	20.00				
Barrier1-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point126	126	2,385.1	2,783.9	400.00	20.00	0.00	0	0	
									point26	26	2,381.6	2,447.0	400.00	20.00	0.00	0	0	
									point27	27	2,937.2	2,453.9	400.00	20.00	0.00	0	0	
									point28	28	2,909.4	2,877.6	400.00	20.00	0.00	0	0	
									point29	29	2,881.7	2,884.5	400.00	20.00	0.00	0	0	
									point30	30	2,888.6	3,006.1	400.00	20.00	0.00	0	0	
									point31	31	2,638.6	3,009.6	400.00	20.00	0.00	0	0	
									point32	32	2,642.1	2,797.7	400.00	20.00				
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point128	128	1,756.3	2,438.5	400.00	20.00	0.00	0	0	
									point82	82	2,282.7	2,419.2	400.00	20.00	0.00	0	0	
									point83	83	2,299.3	1,862.5	400.00	20.00	0.00	0	0	
									point84	84	1,778.4	1,845.9	400.00	20.00				
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point130	130	4,748.9	3,804.7	400.00	20.00	0.00	0	0	
									point50	50	4,780.2	3,745.7	400.00	20.00	0.00	0	0	
									point51	51	5,124.0	3,981.8	400.00	20.00	0.00	0	0	
									point52	52	5,575.4	4,353.4	400.00	20.00	0.00	0	0	
									point53	53	5,408.7	4,329.1	400.00	20.00				
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point132	132	4,314.8	3,902.0	400.00	20.00	0.00	0	0	
									point45	45	4,325.2	3,499.1	400.00	20.00	0.00	0	0	
									point46	46	4,703.7	3,704.0	400.00	20.00	0.00	0	0	

									point47	47	4,641.2	3,763.1	400.00	20.00	0.00	0	0		
									point48	48	4,398.2	3,818.6	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point134	134	3,002.2	2,419.8	400.00	20.00	0.00	0	0		
									point72	72	3,259.1	2,421.5	400.00	20.00	0.00	0	0		
									point73	73	3,260.9	1,824.3	400.00	20.00	0.00	0	0		
									point74	74	3,069.9	1,841.6	400.00	20.00	0.00	0	0		
									point75	75	3,050.8	1,938.9	400.00	20.00	0.00	0	0		
									point76	76	2,998.7	1,942.3	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point136	136	2,908.4	2,399.9	400.00	20.00	0.00	0	0		
									point78	78	2,902.9	1,868.0	400.00	20.00	0.00	0	0		
									point79	79	2,404.0	1,870.7	400.00	20.00	0.00	0	0		
									point80	80	2,382.0	2,391.7	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point138	138	3,020.2	2,801.6	400.00	20.00	0.00	0	0		
									point90	90	3,249.4	2,805.1	400.00	20.00	0.00	0	0		
									point91	91	3,252.8	2,440.4	400.00	20.00	0.00	0	0		
									point92	92	3,006.3	2,443.9	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point140	140	3,000.6	3,094.9	400.00	20.00	0.00	0	0		
									point94	94	2,998.8	3,499.4	400.00	20.00	0.00	0	0		
									point95	95	3,254.1	3,492.5	400.00	20.00	0.00	0	0		
									point96	96	3,257.5	3,138.3	400.00	20.00	0.00	0	0		
									point97	97	3,228.0	3,108.8	400.00	20.00	0.00	0	0		
									point98	98	3,229.8	3,081.0	400.00	20.00					

Dudek
MG
8 March 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Future 0221
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.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	70.1	66	70.1	10	Snd Lvl	70.1	0.0	8	-8.0
ST2	2	1	0.0	66.7	66	66.7	10	Snd Lvl	66.7	0.0	8	-8.0
ST3	3	1	0.0	66.6	66	66.6	10	Snd Lvl	66.6	0.0	8	-8.0
ST4	4	1	0.0	68.1	66	68.1	10	Snd Lvl	68.1	0.0	8	-8.0
ST5	5	1	0.0	62.8	66	62.8	10	----	62.8	0.0	8	-8.0
ST6	6	1	0.0	65.8	66	65.8	10	----	65.8	0.0	8	-8.0
ST7	7	1	0.0	57.3	66	57.3	10	----	57.3	0.0	8	-8.0
M1	8	1	0.0	59.9	66	59.9	10	----	59.9	0.0	8	-8.0
M2	9	1	0.0	67.9	66	67.9	10	Snd Lvl	67.9	0.0	8	-8.0
M3	10	1	0.0	60.7	66	60.7	10	----	60.7	0.0	8	-8.0
M4	11	1	0.0	58.6	66	58.6	10	----	58.6	0.0	8	-8.0
M5	12	1	0.0	64.6	66	64.6	10	----	64.6	0.0	8	-8.0
M6	13	1	0.0	56.9	66	56.9	10	----	56.9	0.0	8	-8.0
M7	14	1	0.0	67.5	66	67.5	10	Snd Lvl	67.5	0.0	8	-8.0
M8	15	1	0.0	66.4	66	66.4	10	Snd Lvl	66.4	0.0	8	-8.0
M9	16	1	0.0	62.3	66	62.3	10	----	62.3	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	16	0.0	0.0	0.0
All Impacted	7	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**8 March 2021**							
MG					**TNM 2.5**							
INPUT: ROADWAYS							**Average pavement type shall be used unless**					
PROJECT/CONTRACT:	**11935**						**a State highway agency substantiates the use**					
RUN:	**8850 Sunset Blvd - Fut with Proj 0221**						**of a different type with the approval of FHWA**					
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**		
				X	**Y**	**Z**	**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**	
	ft			ft	ft	ft		mph	%			
Sunset Blvd. west of N. Doheny Dr.	65.0	point1	1	1,283.9	3,025.3	400.00				Average		
		point3	3	1,679.4	3,022.5	400.00						
N Doheny Dr. north of Sunset	40.0	point75	75	1,396.7	3,512.9	400.00				Average		
		point27	27	1,574.5	3,402.4	400.00				Average		
		point28	28	1,650.1	3,339.8	400.00				Average		
		point29	29	1,669.5	3,280.9	400.00				Average		
		point30	30	1,675.7	3,187.2	400.00				Average		
		point31	31	1,680.5	3,062.5	400.00				Average		
		point32	32	1,681.2	3,034.9	400.00						
Hammond St. south of Sunset	40.0	point77	77	2,330.3	3,012.6	400.00				Average		
		point36	36	2,332.0	2,465.7	400.00						
N. Clark St. north of Sunset	50.0	point79	79	2,924.0	3,844.3	400.00				Average		
		point38	38	2,952.5	3,765.6	400.00				Average		
		point39	39	2,967.8	3,041.5	400.00						
Horn Ave. north of Sunset	40.0	point83	83	3,638.0	3,084.9	400.00				Average		
		point47	47	3,618.9	3,143.9	400.00				Average		
		point48	48	3,622.4	3,644.0	400.00						
Holloway Dr. south of Sunset	50.0	point85	85	3,655.4	3,055.3	400.00				Average		
		point50	50	3,693.6	3,036.2	400.00				Average		
		point51	51	3,771.7	3,011.9	400.00				Average		
		point52	52	4,181.5	3,011.9	400.00				Average		
		point53	53	4,997.4	3,020.7	400.00						
Larrabee St. north of Sunset	40.0	point86	86	3,288.8	3,829.6	400.00				Average		
		point43	43	3,292.9	3,040.2	400.00						
Miller Dr. north of Sunset	40.0	point90	90	5,742.8	4,433.3	400.00				Average		

		point55	55	5,665.6	4,440.2	400.00				Average	
		point56	56	5,542.9	4,405.7	400.00				Average	
		point57	57	5,380.3	4,358.9	400.00				Average	
		point58	58	5,359.7	4,368.5	400.00				Average	
		point59	59	5,343.1	4,394.7	400.00					
N Doheny Dr. south of Sunset	40.0	point92	92	1,679.2	3,010.9	400.00				Average	
		point34	34	1,698.3	2,457.0	400.00					
Susnet Blvd. east of N. Doheny Dr.	65.0	point93	93	1,679.4	3,022.5	400.00				Average	
		point4	4	2,333.9	3,023.9	400.00					
Susnet Blvd. east of Hammond St	65.0	point94	94	2,333.9	3,023.9	400.00				Average	
		point5	5	2,974.7	3,032.1	400.00					
San Vicente Blvd. south of Sunset	50.0	point96	96	2,965.6	3,012.0	400.00				Average	
		point41	41	2,963.4	2,325.1	400.00					
Sunset Blvd. east of N. Clark St.	65.0	point97	97	2,974.7	3,032.1	400.00				Average	
		point6	6	3,295.8	3,029.4	400.00					
Larrabee St. south of Sunset	40.0	point100	100	3,293.2	3,017.5	400.00				Average	
		point45	45	3,293.2	2,337.2	400.00					
Sunset Blvd. east of Larrabee St	65.0	point101	101	3,295.8	3,029.4	400.00				Average	
		point7	7	3,557.1	3,033.7	400.00				Average	
		point8	8	3,610.1	3,053.7	400.00				Average	
		point9	9	3,647.4	3,066.7	400.00					
Sunset Blvd. east of Horn / Holloway	65.0	point104	104	3,647.4	3,066.7	400.00				Average	
		point10	10	3,699.5	3,094.5	400.00				Average	
		point11	11	3,783.7	3,163.9	400.00				Average	
		point12	12	3,912.2	3,269.9	400.00				Average	
		point13	13	3,969.4	3,308.1	400.00				Average	
		point14	14	4,038.9	3,341.0	400.00				Average	
		point15	15	4,235.9	3,408.6	400.00				Average	
		point16	16	4,380.7	3,469.2	400.00				Average	
		point17	17	4,769.3	3,682.8	400.00				Average	
		point18	18	4,934.6	3,779.3	400.00					
Sunset Blvd. west of La Cienega	65.0	point105	105	5,762.3	4,425.2	400.00				Average	
		point23	23	5,838.7	4,459.9	400.00				Average	
		point24	24	6,123.4	4,546.7	400.00				Average	
		point25	25	6,331.7	4,598.8	400.00					
N. La Cienega Bld. south of Sunset Blvd.	65.0	point106	106	5,775.2	4,407.9	400.00				Average	
		point107	107	5,751.7	3,068.0	400.00					
San Vicente Blvd. north of Cynthia Ave	50.0	point108	108	2,962.7	2,316.3	400.00				Average	
		point109	109	2,968.1	1,975.5	400.00				Average	

		point110	110	2,973.5	1,841.4	400.00					
Cynthia St. west of San Vicente	40.0	point111	111	1,782.2	1,801.1	400.00				Average	
		point112	112	2,345.6	1,819.9	400.00				Average	
		point113	113	2,909.1	1,819.9	400.00				Average	
		point116	116	2,976.2	1,806.5	400.00					
Cynthia St. east of San Vicente	40.0	point117	117	2,976.2	1,806.5	400.00				Average	
		point114	114	3,043.2	1,793.1	400.00				Average	
		point115	115	3,316.9	1,760.9	400.00					
Sunset Blvd. east of Horn / Holloway-2	65.0	point118	118	4,934.6	3,779.3	400.00				Average	
		point19	19	5,043.5	3,859.2	400.00				Average	
		point20	20	5,432.4	4,178.7	400.00				Average	
		point21	21	5,710.2	4,387.0	400.00				Average	
		point22	22	5,762.3	4,425.2	400.00					
San Vicente Blvd. south of Cynthia Ave	12.0	point119	119	2,973.2	1,767.9	0.00				Average	
		point120	120	3,110.6	1,155.2	0.00					

Dudek 8 March 2021
MG TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Fut with Proj 0221

Roadway	Points		Segment										
Name	Name	No.	Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Sunset Blvd. west of N. Doheny Dr.	point1	1	2581	97	35	2	35	1	35	0	0	0	0
	point3	3											
N Doheny Dr. north of Sunset	point75	75	331	97	25	2	25	1	25	0	0	0	0
	point27	27	331	97	25	2	25	1	25	0	0	0	0
	point28	28	331	97	25	2	25	1	25	0	0	0	0
	point29	29	331	97	25	2	25	1	25	0	0	0	0
	point30	30	331	97	25	2	25	1	25	0	0	0	0
	point31	31	331	97	25	2	25	1	25	0	0	0	0
	point32	32											
Hammond St. south of Sunset	point77	77	348	97	25	2	25	1	25	0	0	0	0
	point36	36											
N. Clark St. north of Sunset	point79	79	142	97	25	2	25	1	25	0	0	0	0
	point38	38	142	97	25	2	25	1	25	0	0	0	0
	point39	39											
Horn Ave. north of Sunset	point83	83	118	97	25	2	25	1	25	0	0	0	0
	point47	47	118	97	25	2	25	1	25	0	0	0	0
	point48	48											
Holloway Dr. south of Sunset	point85	85	1027	97	35	2	35	1	35	0	0	0	0
	point50	50	1027	97	35	2	35	1	35	0	0	0	0
	point51	51	1027	97	35	2	35	1	35	0	0	0	0
	point52	52	1027	97	35	2	35	1	35	0	0	0	0
	point53	53											
Larrabee St. north of Sunset	point86	86	117	97	25	2	25	1	25	0	0	0	0

	point43	43											
Miller Dr. north of Sunset	point90	90	85	97	25	2	25	1	25	0	0	0	0
	point55	55	85	97	25	2	25	1	25	0	0	0	0
	point56	56	85	97	25	2	25	1	25	0	0	0	0
	point57	57	85	97	25	2	25	1	25	0	0	0	0
	point58	58	85	97	25	2	25	1	25	0	0	0	0
	point59	59											
N Doheny Dr. south of Sunset	point92	92	1200	97	35	2	35	1	35	0	0	0	0
	point34	34											
Susnet Blvd. east of N. Doheny Dr.	point93	93	3486	97	35	2	35	1	35	0	0	0	0
	point4	4											
Susnet Blvd. east of Hammond St	point94	94	3647	97	35	2	35	1	35	0	0	0	0
	point5	5											
San Vicente Blvd. south of Sunset	point96	96	1264	97	35	2	35	1	35	0	0	0	0
	point41	41											
Sunset Blvd. east of N. Clark St.	point97	97	3878	97	35	2	35	1	35	0	0	0	0
	point6	6											
Larrabee St. south of Sunset	point100	100	518	97	25	2	25	1	25	0	0	0	0
	point45	45											
Sunset Blvd. east of Larrabee St	point101	101	4216	97	35	2	35	1	35	0	0	0	0
	point7	7	4216	97	35	2	35	1	35	0	0	0	0
	point8	8	4216	97	35	2	35	1	35	0	0	0	0
	point9	9											
Sunset Blvd. east of Horn / Holloway	point104	104	3219	97	35	2	35	1	35	0	0	0	0
	point10	10	3219	97	35	2	35	1	35	0	0	0	0
	point11	11	3219	97	35	2	35	1	35	0	0	0	0
	point12	12	3219	97	35	2	35	1	35	0	0	0	0
	point13	13	3219	97	35	2	35	1	35	0	0	0	0
	point14	14	3219	97	35	2	35	1	35	0	0	0	0
	point15	15	3219	97	35	2	35	1	35	0	0	0	0
	point16	16	3219	97	35	2	35	1	35	0	0	0	0
	point17	17	3219	97	35	2	35	1	35	0	0	0	0
	point18	18											
Sunset Blvd. west of La Cienega	point105	105	3552	97	35	2	35	1	35	0	0	0	0
	point23	23	3552	97	35	2	35	1	35	0	0	0	0
	point24	24	3552	97	35	2	35	1	35	0	0	0	0

	point25	25											
N. La Cienega Bld. south of Sunset Blvd.	point106	106	1106	97	35	2	35	1	35	0	0	0	0
	point107	107											
San Vicente Blvd. north of Cynthia Ave	point108	108	1226	97	35	2	35	1	35	0	0	0	0
	point109	109	1226	97	35	2	35	1	35	0	0	0	0
	point110	110											
Cynthia St. west of San Vicente	point111	111	911	97	25	2	25	1	25	0	0	0	0
	point112	112	911	97	25	2	25	1	25	0	0	0	0
	point113	113	911	97	25	2	25	1	25	0	0	0	0
	point116	116											
Cynthia St. east of San Vicente	point117	117	742	97	25	2	25	1	25	0	0	0	0
	point114	114	742	97	25	2	25	1	25	0	0	0	0
	point115	115											
Sunset Blvd. east of Horn / Holloway-2	point118	118	3581	97	35	2	35	1	35	0	0	0	0
	point19	19	3581	97	35	2	35	1	35	0	0	0	0
	point20	20	3581	97	35	2	35	1	35	0	0	0	0
	point21	21	3581	97	35	2	35	1	35	0	0	0	0
	point22	22											
San Vicente Blvd. south of Cynthia Ave	point119	119	1531	97	35	2	35	1	35	0	0	0	0
	point120	120											

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INPUT: RECEIVERS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Fut with Proj 0221

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	3,249.0	2,979.7	400.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	3,003.5	2,915.2	400.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	2,927.7	2,837.3	400.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	2,990.9	2,740.1	400.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	3,315.4	2,827.6	400.00	5.00	0.00	66	10.0	8.0	Y
ST6	6	1	3,253.3	3,117.6	400.00	5.00	0.00	66	10.0	8.0	Y
ST7	7	1	3,115.7	2,825.9	400.00	5.00	0.00	66	10.0	8.0	Y
M1	8	1	1,635.0	3,214.3	400.00	5.00	0.00	66	10.0	8.0	Y
M2	9	1	1,716.4	2,755.3	400.00	5.00	0.00	66	10.0	8.0	Y
M3	10	1	2,361.3	2,744.3	400.00	5.00	0.00	66	10.0	8.0	Y
M4	11	1	2,993.6	3,256.4	400.00	5.00	0.00	66	10.0	8.0	Y
M5	12	1	3,016.5	1,853.7	400.00	5.00	0.00	66	10.0	8.0	Y
M6	13	1	3,648.2	3,381.8	400.00	5.00	0.00	66	10.0	8.0	Y
M7	14	1	4,061.0	2,985.1	400.00	5.00	0.00	66	10.0	8.0	Y
M8	15	1	5,623.8	4,452.8	400.00	5.00	0.00	66	10.0	8.0	Y
M9	16	1	5,681.1	3,846.8	400.00	5.00	0.00	66	10.0	8.0	Y

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INPUT: BARRIERS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Fut with Proj 0221

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per	$ per	Top	Run:Rise	$ per			X	Y	Z	at	Seg Ht	Perturbs		On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	1,425.2	3,440.0	400.00	20.00	0.00	0	0		
									point3	3	1,587.8	3,338.0	400.00	20.00	0.00	0	0		
									point4	4	1,591.2	3,319.4	400.00	20.00	0.00	0	0		
									point5	5	1,439.0	3,322.2	400.00	20.00	0.00	0	0		
									point6	6	1,445.2	3,265.7	400.00	20.00	0.00	0	0		
									point7	7	1,622.2	3,262.3	400.00	20.00	0.00	0	0		
									point8	8	1,627.0	3,081.0	400.00	20.00	0.00	0	0		
									point9	9	1,595.4	3,063.8	400.00	20.00	0.00	0	0		
									point10	10	1,452.7	3,070.0	400.00	20.00					
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point107	107	3,321.8	3,501.2	400.00	20.00	0.00	0	0		
									point101	101	3,589.2	3,504.6	400.00	20.00	0.00	0	0		
									point102	102	3,582.2	3,334.5	400.00	20.00	0.00	0	0		
									point103	103	3,476.3	3,334.5	400.00	20.00	0.00	0	0		
									point104	104	3,467.6	3,225.1	400.00	20.00	0.00	0	0		
									point105	105	3,528.4	3,218.1	400.00	20.00	0.00	0	0		
									point100	100	3,523.2	3,110.5	400.00	20.00	0.00	0	0		
									point2	2	3,330.5	3,084.4	400.00	20.00					
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point109	109	3,650.2	3,568.0	400.00	20.00	0.00	0	0		
									point39	39	3,658.8	3,154.8	400.00	20.00	0.00	0	0		
									point40	40	3,717.9	3,180.9	400.00	20.00	0.00	0	0		
									point41	41	3,993.9	3,371.8	400.00	20.00	0.00	0	0		
									point42	42	4,254.4	3,479.5	400.00	20.00	0.00	0	0		
									point43	43	4,273.5	3,847.6	400.00	20.00					
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point111	111	3,842.7	3,171.3	400.00	20.00	0.00	0	0		
									point55	55	3,943.3	3,232.5	400.00	20.00	0.00	0	0		
									point56	56	4,112.8	3,310.2	400.00	20.00	0.00	0	0		
									point57	57	4,358.9	3,382.4	400.00	20.00	0.00	0	0		
									point58	58	4,503.3	3,453.5	400.00	20.00	0.00	0	0		
									point59	59	4,913.1	3,682.6	400.00	20.00	0.00	0	0		
									point60	60	5,229.1	3,911.8	400.00	20.00	0.00	0	0		
									point61	61	5,708.3	4,273.0	400.00	20.00	0.00	0	0		
									point62	62	5,677.1	4,040.3	400.00	20.00	0.00	0	0		
									point63	63	5,663.2	3,880.6	400.00	20.00	0.00	0	0		
									point64	64	5,663.2	3,085.4	400.00	20.00	0.00	0	0		
									point65	65	3,864.4	3,071.5	400.00	20.00					

Barrier1-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point113	113	3,798.9	2,975.1	400.00	20.00	0.00	0	0	
									point67	67	4,408.1	2,977.9	400.00	20.00	0.00	0	0	
									point68	68	5,675.6	2,998.7	400.00	20.00	0.00	0	0	
									point69	69	5,658.2	2,693.1	400.00	20.00	0.00	0	0	
									point70	70	3,814.2	2,588.9	400.00	20.00				
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point115	115	3,328.9	2,981.2	400.00	20.00	0.00	0	0	
									point34	34	3,523.4	2,981.2	400.00	20.00	0.00	0	0	
									point35	35	3,717.9	2,967.3	400.00	20.00	0.00	0	0	
									point36	36	3,716.1	2,567.9	400.00	20.00	0.00	0	0	
									point37	37	3,332.4	2,573.1	400.00	20.00				
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point117	117	3,011.5	2,978.7	400.00	20.00	0.00	0	0	
									point86	86	3,233.8	2,983.9	400.00	20.00	0.00	0	0	
									point87	87	3,251.1	2,938.7	400.00	20.00	0.00	0	0	
									point88	88	3,001.1	2,931.8	400.00	20.00				
Barrier1-2	W	0.00	99.99	0.00				0.00	point119	119	2,929.5	3,076.7	400.00	20.00	0.00	0	0	
									point16	16	2,922.5	3,489.9	400.00	20.00				
Barrier1-2-2-2	W	0.00	99.99	0.00				0.00	point121	121	1,748.2	2,967.3	400.00	20.00	0.00	0	0	
									point21	21	2,159.5	2,976.1	400.00	20.00	0.00	0	0	
									point22	22	2,282.0	2,971.7	400.00	20.00	0.00	0	0	
									point23	23	2,290.7	2,442.3	400.00	20.00	0.00	0	0	
									point24	24	1,770.1	2,459.8	400.00	20.00				
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point122	122	1,481.1	2,980.3	400.00	20.00	0.00	0	0	
									point18	18	1,639.1	2,975.2	400.00	20.00	0.00	0	0	
									point19	19	1,630.3	2,415.1	400.00	20.00				
Barrier1-2-2	W	0.00	99.99	0.00				0.00	point124	124	1,708.4	3,249.9	400.00	20.00	0.00	0	0	
									point12	12	1,703.6	3,052.8	400.00	20.00	0.00	0	0	
									point13	13	2,026.7	3,063.1	400.00	20.00	0.00	0	0	
									point14	14	2,257.6	3,079.5	400.00	20.00	0.00	0	0	
									point15	15	2,929.5	3,076.7	400.00	20.00				
Barrier1-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point126	126	2,385.1	2,783.9	400.00	20.00	0.00	0	0	
									point26	26	2,381.6	2,447.0	400.00	20.00	0.00	0	0	
									point27	27	2,937.2	2,453.9	400.00	20.00	0.00	0	0	
									point28	28	2,909.4	2,877.6	400.00	20.00	0.00	0	0	
									point29	29	2,881.7	2,884.5	400.00	20.00	0.00	0	0	
									point30	30	2,888.6	3,006.1	400.00	20.00	0.00	0	0	
									point31	31	2,638.6	3,009.6	400.00	20.00	0.00	0	0	
									point32	32	2,642.1	2,797.7	400.00	20.00				
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point128	128	1,756.3	2,438.5	400.00	20.00	0.00	0	0	
									point82	82	2,282.7	2,419.2	400.00	20.00	0.00	0	0	
									point83	83	2,299.3	1,862.5	400.00	20.00	0.00	0	0	
									point84	84	1,778.4	1,845.9	400.00	20.00				
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point130	130	4,748.9	3,804.7	400.00	20.00	0.00	0	0	
									point50	50	4,780.2	3,745.7	400.00	20.00	0.00	0	0	
									point51	51	5,124.0	3,981.8	400.00	20.00	0.00	0	0	
									point52	52	5,575.4	4,353.4	400.00	20.00	0.00	0	0	
									point53	53	5,408.7	4,329.1	400.00	20.00				
Barrier1-2-2-2-2	W	0.00	99.99	0.00				0.00	point132	132	4,314.8	3,902.0	400.00	20.00	0.00	0	0	
									point45	45	4,325.2	3,499.1	400.00	20.00	0.00	0	0	
									point46	46	4,703.7	3,704.0	400.00	20.00	0.00	0	0	

									point47	47	4,641.2	3,763.1	400.00	20.00	0.00	0	0		
									point48	48	4,398.2	3,818.6	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point134	134	3,002.2	2,419.8	400.00	20.00	0.00	0	0		
									point72	72	3,259.1	2,421.5	400.00	20.00	0.00	0	0		
									point73	73	3,260.9	1,824.3	400.00	20.00	0.00	0	0		
									point74	74	3,069.9	1,841.6	400.00	20.00	0.00	0	0		
									point75	75	3,050.8	1,938.9	400.00	20.00	0.00	0	0		
									point76	76	2,998.7	1,942.3	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point136	136	2,908.4	2,399.9	400.00	20.00	0.00	0	0		
									point78	78	2,902.9	1,868.0	400.00	20.00	0.00	0	0		
									point79	79	2,404.0	1,870.7	400.00	20.00	0.00	0	0		
									point80	80	2,382.0	2,391.7	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point138	138	3,020.2	2,801.6	400.00	20.00	0.00	0	0		
									point90	90	3,249.4	2,805.1	400.00	20.00	0.00	0	0		
									point91	91	3,252.8	2,440.4	400.00	20.00	0.00	0	0		
									point92	92	3,006.3	2,443.9	400.00	20.00					
Barrier1-2-2-2-2-2-2-2-2-2-2-2-2	W	0.00	99.99	0.00				0.00	point140	140	3,000.6	3,094.9	400.00	20.00	0.00	0	0		
									point94	94	2,998.8	3,499.4	400.00	20.00	0.00	0	0		
									point95	95	3,254.1	3,492.5	400.00	20.00	0.00	0	0		
									point96	96	3,257.5	3,138.3	400.00	20.00	0.00	0	0		
									point97	97	3,228.0	3,108.8	400.00	20.00	0.00	0	0		
									point98	98	3,229.8	3,081.0	400.00	20.00					

Dudek
MG
8 March 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Fut with Proj 0221
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.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	70.3	66	70.3	10	Snd Lvl	70.3	0.0	8	-8.0
ST2	2	1	0.0	67.3	66	67.3	10	Snd Lvl	67.3	0.0	8	-8.0
ST3	3	1	0.0	67.3	66	67.3	10	Snd Lvl	67.3	0.0	8	-8.0
ST4	4	1	0.0	68.8	66	68.8	10	Snd Lvl	68.8	0.0	8	-8.0
ST5	5	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0
ST6	6	1	0.0	66.0	66	66.0	10	Snd Lvl	66.0	0.0	8	-8.0
ST7	7	1	0.0	57.8	66	57.8	10	----	57.8	0.0	8	-8.0
M1	8	1	0.0	59.9	66	59.9	10	----	59.9	0.0	8	-8.0
M2	9	1	0.0	68.1	66	68.1	10	Snd Lvl	68.1	0.0	8	-8.0
M3	10	1	0.0	60.7	66	60.7	10	----	60.7	0.0	8	-8.0
M4	11	1	0.0	58.8	66	58.8	10	----	58.8	0.0	8	-8.0
M5	12	1	0.0	64.9	66	64.9	10	----	64.9	0.0	8	-8.0
M6	13	1	0.0	57.0	66	57.0	10	----	57.0	0.0	8	-8.0
M7	14	1	0.0	67.9	66	67.9	10	Snd Lvl	67.9	0.0	8	-8.0
M8	15	1	0.0	66.5	66	66.5	10	Snd Lvl	66.5	0.0	8	-8.0
M9	16	1	0.0	62.3	66	62.3	10	----	62.3	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	16	0.0	0.0	0.0
All Impacted	8	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**2 March 2021**							
MG					**TNM 2.5**							
INPUT: ROADWAYS							**Average pavement type shall be used unless**					
PROJECT/CONTRACT:	**11935**						**a State highway agency substantiates the use**					
RUN:	**8850 Sunset Blvd - Haul Trucks**						**of a different type with the approval of FHWA**					
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**		
				X	**Y**	**Z**	**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**	
	ft			ft	ft	ft		mph	%			
Haul Route	55.0	point123	123	1.0	0.0	0.00				Average		
		point124	124	1,000.0	0.0	0.00						

Dudek **2 March 2021**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **11935**
RUN: **8850 Sunset Blvd - Haul Trucks**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			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	point123	123	0	0	0	0	13	35	0	0	0	0
	point124	124										

Dudek
MG

2 March 2021
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Haul Trucks

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Receivers along Haul Route	18	1	500.0	30.0	0.00	5.00	0.00	66	10.0	8.0	Y

Dudek
MG
2 March 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 11935
RUN: 8850 Sunset Blvd - Haul Trucks
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.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receivers along Haul Route	18	1	0.0	59.5	66	59.5	10	----	59.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0