RCNM OUTPUT FILES

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 12/2/2021
Case Descri ARCHITECTUAL COATING

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-1	Residential	55	55	55

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	50	0

			Results				
	Calculated (dBA)		Noise Limits (dBA)				
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Compressor (air)	77.7	73.7	N/A	N/A	N/A	N/A	N/A
Total	77.7	73.7	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

		Noise Limit Exceedance (dBA)				
	Day		Evening		Night	
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 12/2/2021
Case Descri BUILDING CONSTRUCTION

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R1	Residential	55	55	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	50	0
Forklift	No	20		74.7	50	0
Forklift	No	20		74.7	50	0
Forklift	No	20		74.7	50	0
Generator	No	50		80.6	50	0
Tractor	No	40	84		50	0
Tractor	No	40	84		50	0
Tractor	No	40	84		50	0
Welder / Torch	No	40		74	50	0

Equipment	Calculated (dBA) *Lmax	Leq	Results Day Lmax	Noise Limits (dBA) Leq	Evening Lmax	Leq	Night Lmax
Crane	80.6	72.6	N/A	N/A	N/A	N/A	N/A
Forklift	74.7	67.7	N/A	N/A	N/A	N/A	N/A
Forklift	74.7	67.7	N/A	N/A	N/A	N/A	N/A
Forklift	74.7	67.7	N/A	N/A	N/A	N/A	N/A
Generator	80.6	77.6	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Welder / Torch	74	70	N/A	N/A	N/A	N/A	N/A
Total	84	86.1	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

		Noise Limit Exceedance (dBA)				
	Day		Evening		Night	
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 12/2/2021
Case Descri Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-1	Residential	55	55	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	50	0
Excavator	No	40		80.7	50	0
Excavator	No	40		80.7	50	0
Excavator	No	40		80.7	50	0
Dozer	No	40		81.7	50	0
Dozer	No	40		81.7	50	0

Equipment	Calculated (dBA) *Lmax	Leq	Results Day Lmax	Noise Limits (dBA) Leq	Evening Lmax	Leq	Night Lmax
Concrete Saw	89.6	82.6	N/A	N/A	N/A	N/A	N/A
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A
Total	89.6	86.4	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Noise Limit Exceedance (dBA)						
	Day		Evening		Night	
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 12/2/2021
Case Descri GRADING

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R1	Residential	55	55	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	50	0
Excavator	No	40		80.7	50	0
Grader	No	40	85		50	0
Dozer	No	40		81.7	50	0
Scraper	No	40		83.6	50	0
Scraper	No	40		83.6	50	0
Tractor	No	40	84		50	0
Tractor	No	40	84		50	0

Results

	Calculated (dBA)		Noise Limits (dBA)				
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A
Grader	85	81	N/A	N/A	N/A	N/A	N/A
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A
Scraper	83.6	79.6	N/A	N/A	N/A	N/A	N/A
Scraper	83.6	79.6	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Total	85	88.2	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

		Noise Limit Exceedance (dBA)				
	Day		Evening		Night	
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 12/2/2021
Case Descri PAVING

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R1	Residential	55	55	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	50	0
Paver	No	50		77.2	50	0
Paver Equipment	No	50		77.2	50	0
Paver Equipment	No	50		77.2	50	0
Roller	No	20		80	50	0
Roller	No	20		80	50	0

Equipment	Calculated (dBA) *Lmax	Leq	Results Day Lmax	Noise Limits (dBA) Leq	Evening Lmax	Leq	Night Lmax
Paver	77.2	74.2	N/A	N/A	N/A	N/A	N/A
Paver	77.2	74.2	N/A	N/A	N/A	N/A	N/A
Paver Equipment	77.2	74.2	N/A	N/A	N/A	N/A	N/A
Paver Equipment	77.2	74.2	N/A	N/A	N/A	N/A	N/A
Roller	80	73	N/A	N/A	N/A	N/A	N/A
Roller	80	73	N/A	N/A	N/A	N/A	N/A
Total	80	81.6	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Noise Limit Exceedance (dBA)						
	Day		Evening		Night	
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 12/2/2021
Case Descri SITE PREPARATION

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R1	Residential	55	55	55

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

	Calculated (dBA)		Results Noise Limits (dBA)				
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Total	84	87.6	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Noise Limit Exceedance (dBA)						
	Day		Evening		Night	
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

FHWA OUTPUT FILES

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY I10 freeway
SEGMENT County Line to County Line Road
LOCATION: City of Calimesa, CA SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	114,000
SPEED =	65
PK HR % =	10
NEAR LANE/FAR LANE DIST =	100
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	11,400

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.869
MEDIUM TRUCKS	0.480	0.020	0.500	0.040
HEAVY TRUCKS	0.480	0.020	0.500	0.091

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	3.0	- -
MEDIUM TRUCKS=	4.00	1.0	- -
HEAVY TRUCKS =	8.01	3.0	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	94.2	92.2	90.9	84.9	93.3	93.9
MEDIUM TRUCKS	91.8	87.8	80.0	89.2	95.4	95.4
HEAVY TRUCKS	94.1	90.1	82.3	91.5	97.7	97.7
VEHICULAR NOISE	98.3	95.2	91.8	94.1	100.6	**100.7**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	59257	187388	592572	1873877
LDN	57227	180967	572267	1809666

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY 7th St
SEGMENT County Line Rd to Ave L
LOCATION: City of Calimesa, CA SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	14,400
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	1,440

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	68.8	66.7	65.4	59.4	67.8	68.5
MEDIUM TRUCKS	62.9	58.9	51.1	60.3	66.5	66.5
HEAVY TRUCKS	69.9	65.9	58.1	67.4	73.5	73.5
VEHICULAR NOISE	72.8	69.7	66.3	68.7	75.2	**75.3**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	171	539	1705	5393
LDN	165	521	1647	5210

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY I10 freeway
SEGMENT Calimesa Blvd to Singleton Rd
LOCATION: City of Calimesa, CA SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	110,000
SPEED =	65
PK HR % =	10
NEAR LANE/FAR LANE DIST =	100
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	11,000

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.869
MEDIUM TRUCKS	0.480	0.020	0.500	0.040
HEAVY TRUCKS	0.480	0.020	0.500	0.091

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	3.0	- -
MEDIUM TRUCKS=	4.00	1.0	- -
HEAVY TRUCKS =	8.01	3.0	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	94.1	92.0	90.8	84.7	93.1	93.8
MEDIUM TRUCKS	91.6	87.6	79.8	89.0	95.2	95.2
HEAVY TRUCKS	93.9	90.0	82.2	91.4	97.5	97.6
VEHICULAR NOISE	98.1	95.0	91.6	93.9	100.4	**100.6**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	57178	180813	571780	1808127
LDN	55219	174617	552187	1746169

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY: County Line Rd
SEGMENT: West of I10
LOCATION: City of Calimesa, CA
SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	14,400
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	1,440

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	68.8	66.7	65.4	59.4	67.8	68.5
MEDIUM TRUCKS	62.9	58.9	51.1	60.3	66.5	66.5
HEAVY TRUCKS	69.9	65.9	58.1	67.4	73.5	73.5
VEHICULAR NOISE	72.8	69.7	66.3	68.7	75.2	**75.3**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	171	539	1705	5393
LDN	165	521	1647	5210

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY: County Line Rd
SEGMENT: I10 to Bryant St
LOCATION: City of Calimesa, CA
SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	14,400
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	1,440

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	68.8	66.7	65.4	59.4	67.8	68.5
MEDIUM TRUCKS	62.9	58.9	51.1	60.3	66.5	66.5
HEAVY TRUCKS	69.9	65.9	58.1	67.4	73.5	73.5
VEHICULAR NOISE	72.8	69.7	66.3	68.7	75.2	**75.3**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	171	539	1705	5393
LDN	165	521	1647	5210

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY Ave L
SEGMENT Calimesa Blvd to 5th
LOCATION: City of Calimesa, CA
SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	14,400
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	1,440

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	68.8	66.7	65.4	59.4	67.8	68.5
MEDIUM TRUCKS	62.9	58.9	51.1	60.3	66.5	66.5
HEAVY TRUCKS	69.9	65.9	58.1	67.4	73.5	73.5
VEHICULAR NOISE	72.8	69.7	66.3	68.7	75.2	**75.3**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	171	539	1705	5393
LDN	165	521	1647	5210

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY 5th St
SEGMENT County Line Rd to Calimesa
LOCATION: City of Calimesa, CA SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	14,400
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	1,440

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	68.8	66.7	65.4	59.4	67.8	68.5
MEDIUM TRUCKS	62.9	58.9	51.1	60.3	66.5	66.5
HEAVY TRUCKS	69.9	65.9	58.1	67.4	73.5	73.5
VEHICULAR NOISE	72.8	69.7	66.3	68.7	75.2	**75.3**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	171	539	1705	5393
LDN	165	521	1647	5210

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY Bryant/Singleton
SEGMENT County Line Rd to Beckwith Ave
LOCATION: City of Calimesa, CA SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	14,400
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	1,440

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	68.8	66.7	65.4	59.4	67.8	68.5
MEDIUM TRUCKS	62.9	58.9	51.1	60.3	66.5	66.5
HEAVY TRUCKS	69.9	65.9	58.1	67.4	73.5	73.5
VEHICULAR NOISE	72.8	69.7	66.3	68.7	75.2	**75.3**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	171	539	1705	5393
LDN	165	521	1647	5210

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY Calimesa Blvd
SEGMENT County Line Rd to Singleton Rd
LOCATION: City of Calimesa, CA SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	27,300
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	76
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	2,730

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	32.6	- -
MEDIUM TRUCKS=	4.00	32.5	- -
HEAVY TRUCKS =	8.01	32.6	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	71.8	69.8	68.5	62.5	70.9	71.5
MEDIUM TRUCKS	65.9	61.9	54.2	63.4	69.5	69.6
HEAVY TRUCKS	73.0	69.0	61.2	70.4	76.6	76.6
VEHICULAR NOISE	75.9	72.8	69.4	71.7	78.2	**78.4**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	345	1091	3451	10912
LDN	333	1054	3334	10541

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY Ave L
SEGMENT West of I10
LOCATION: City of Calimesa, CA
SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	10,400
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	40
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	1,040

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.974
MEDIUM TRUCKS	0.489	0.022	0.489	0.018
HEAVY TRUCKS	0.473	0.054	0.473	0.007

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	45.9	- -
MEDIUM TRUCKS=	4.00	45.8	- -
HEAVY TRUCKS =	8.01	45.9	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	66.4	64.4	63.1	57.1	65.5	66.1
MEDIUM TRUCKS	58.1	54.2	46.8	55.5	61.6	61.7
HEAVY TRUCKS	59.0	55.0	51.5	56.2	62.4	62.5
VEHICULAR NOISE	67.6	65.2	63.5	61.1	68.3	**68.6**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	37	116	366	1158
LDN	34	106	336	1063

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY Ave L
SEGMENT 5th St to Fremont
LOCATION: City of Calimesa, CA
SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	10,400
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	40
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	1,040

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.974
MEDIUM TRUCKS	0.489	0.022	0.489	0.018
HEAVY TRUCKS	0.473	0.054	0.473	0.007

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	45.9	- -
MEDIUM TRUCKS=	4.00	45.8	- -
HEAVY TRUCKS =	8.01	45.9	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	66.4	64.4	63.1	57.1	65.5	66.1
MEDIUM TRUCKS	58.1	54.2	46.8	55.5	61.6	61.7
HEAVY TRUCKS	59.0	55.0	51.5	56.2	62.4	62.5
VEHICULAR NOISE	67.6	65.2	63.5	61.1	68.3	**68.6**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	37	116	366	1158
LDN	34	106	336	1063

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY I10 freeway
SEGMENT County Line Road to Calimesa Blvd
LOCATION: City of Calimesa, CA SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	107,000
SPEED =	65
PK HR % =	10
NEAR LANE/FAR LANE DIST =	100
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	10,700

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.869
MEDIUM TRUCKS	0.480	0.020	0.500	0.040
HEAVY TRUCKS	0.480	0.020	0.500	0.091

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	3.0	- -
MEDIUM TRUCKS=	4.00	1.0	- -
HEAVY TRUCKS =	8.01	3.0	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	93.9	91.9	90.6	84.6	93.0	93.7
MEDIUM TRUCKS	91.5	87.5	79.7	88.9	95.1	95.1
HEAVY TRUCKS	93.8	89.8	82.1	91.3	97.4	97.4
VEHICULAR NOISE	98.0	94.9	91.5	93.8	100.3	**100.5**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	55619	175881	556186	1758814
LDN	53713	169855	537127	1698546

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY 7th St
SEGMENT Ave L to Sandlewood Dr
LOCATION: City of Calimesa, CA SCENARIO: Existing

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	14,400
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	1,440

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	68.8	66.7	65.4	59.4	67.8	68.5
MEDIUM TRUCKS	62.9	58.9	51.1	60.3	66.5	66.5
HEAVY TRUCKS	69.9	65.9	58.1	67.4	73.5	73.5
VEHICULAR NOISE	72.8	69.7	66.3	68.7	75.2	**75.3**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	171	539	1705	5393
LDN	165	521	1647	5210

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY I10 freeway
SEGMENT County Line to County Line Road
LOCATION: City of Calimesa, CA SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	126,876
SPEED =	65
PK HR % =	10
NEAR LANE/FAR LANE DIST =	100
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	12,688

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.869
MEDIUM TRUCKS	0.480	0.020	0.500	0.040
HEAVY TRUCKS	0.480	0.020	0.500	0.091

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	3.0	- -
MEDIUM TRUCKS=	4.00	1.0	- -
HEAVY TRUCKS =	8.01	3.0	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	94.7	92.7	91.4	85.3	93.8	94.4
MEDIUM TRUCKS	92.2	88.2	80.5	89.7	95.8	95.9
HEAVY TRUCKS	94.6	90.6	82.8	92.0	98.2	98.2
VEHICULAR NOISE	98.7	95.6	92.2	94.6	101.1	**101.2**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	65950	208553	659501	2085527
LDN	63690	201406	636903	2014063

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY: County Line Rd
SEGMENT: I10 to Bryant St
LOCATION: City of Calimesa, CA
SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	27,276
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	2,728

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	71.5	69.5	68.2	62.2	70.6	71.2
MEDIUM TRUCKS	65.6	61.7	53.9	63.1	69.2	69.3
HEAVY TRUCKS	72.7	68.7	60.9	70.1	76.3	76.3
VEHICULAR NOISE	75.6	72.5	69.1	71.5	78.0	**78.1**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	323	1022	3230	10215
LDN	312	987	3121	9868

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY Ave L
SEGMENT Calimesa Blvd to 5th
LOCATION: City of Calimesa, CA
SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	20,109
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	2,011

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	70.2	68.2	66.9	60.9	69.3	69.9
MEDIUM TRUCKS	64.3	60.3	52.5	61.8	67.9	67.9
HEAVY TRUCKS	71.4	67.4	59.6	68.8	75.0	75.0
VEHICULAR NOISE	74.3	71.2	67.8	70.1	76.6	**76.8**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	238	753	2382	7531
LDN	230	728	2301	7275

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY 5th St
SEGMENT County Line Rd to Calimesa
LOCATION: City of Calimesa, CA
SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	20,109
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	2,011

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	70.2	68.2	66.9	60.9	69.3	69.9
MEDIUM TRUCKS	64.3	60.3	52.5	61.8	67.9	67.9
HEAVY TRUCKS	71.4	67.4	59.6	68.8	75.0	75.0
VEHICULAR NOISE	74.3	71.2	67.8	70.1	76.6	**76.8**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	238	753	2382	7531
LDN	230	728	2301	7275

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY Bryant/Singleton
SEGMENT County Line Rd to Beckwith Ave
LOCATION: City of Calimesa, CA SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	20,109
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	2,011

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	70.2	68.2	66.9	60.9	69.3	69.9
MEDIUM TRUCKS	64.3	60.3	52.5	61.8	67.9	67.9
HEAVY TRUCKS	71.4	67.4	59.6	68.8	75.0	75.0
VEHICULAR NOISE	74.3	71.2	67.8	70.1	76.6	**76.8**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	238	753	2382	7531
LDN	230	728	2301	7275

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY Calimesa Blvd
SEGMENT County Line Rd to Singleton Rd
LOCATION: City of Calimesa, CA
SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	33,899
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	76
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	3,390

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	32.6	- -
MEDIUM TRUCKS=	4.00	32.5	- -
HEAVY TRUCKS =	8.01	32.6	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	72.8	70.7	69.4	63.4	71.8	72.5
MEDIUM TRUCKS	66.9	62.9	55.1	64.3	70.5	70.5
HEAVY TRUCKS	73.9	69.9	62.1	71.4	77.5	77.5
VEHICULAR NOISE	76.8	73.7	70.3	72.7	79.2	**79.3**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	428	1355	4285	13550
LDN	414	1309	4139	13090

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY Ave L
SEGMENT West of I10
LOCATION: City of Calimesa, CA
SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	16,677
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	40
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	1,668

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.974
MEDIUM TRUCKS	0.489	0.022	0.489	0.018
HEAVY TRUCKS	0.473	0.054	0.473	0.007

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	45.9	- -
MEDIUM TRUCKS=	4.00	45.8	- -
HEAVY TRUCKS =	8.01	45.9	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	68.4	66.4	65.1	59.1	67.5	68.2
MEDIUM TRUCKS	60.2	56.3	48.8	57.5	63.7	63.7
HEAVY TRUCKS	61.0	57.0	53.6	58.3	64.5	64.5
VEHICULAR NOISE	69.7	67.3	65.5	63.1	70.3	**70.7**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	59	186	587	1857
LDN	54	170	539	1705

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY: County Line Rd
SEGMENT: West of I10
LOCATION: City of Calimesa, CA
SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	20,677
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	2,068

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	70.3	68.3	67.0	61.0	69.4	70.0
MEDIUM TRUCKS	64.4	60.4	52.7	61.9	68.0	68.1
HEAVY TRUCKS	71.5	67.5	59.7	68.9	75.1	75.1
VEHICULAR NOISE	74.4	71.3	67.9	70.3	76.7	**76.9**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	245	774	2449	7744
LDN	237	748	2366	7481

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY Ave L
SEGMENT 5th St to Fremont
LOCATION: City of Calimesa, CA
SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	16,109
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	40
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	1,611

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.974
MEDIUM TRUCKS	0.489	0.022	0.489	0.018
HEAVY TRUCKS	0.473	0.054	0.473	0.007

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	45.9	- -
MEDIUM TRUCKS=	4.00	45.8	- -
HEAVY TRUCKS =	8.01	45.9	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	68.3	66.3	65.0	59.0	67.4	68.0
MEDIUM TRUCKS	60.0	56.1	48.7	57.4	63.5	63.6
HEAVY TRUCKS	60.9	56.9	53.4	58.1	64.3	64.4
VEHICULAR NOISE	69.5	67.1	65.4	63.0	70.2	**70.5**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	57	179	567	1794
LDN	52	165	521	1647

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY I10 freeway
SEGMENT County Line Road to Calimesa Blvd
LOCATION: City of Calimesa, CA SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	119,876
SPEED =	65
PK HR % =	10
NEAR LANE/FAR LANE DIST =	100
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	11,988

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.869
MEDIUM TRUCKS	0.480	0.020	0.500	0.040
HEAVY TRUCKS	0.480	0.020	0.500	0.091

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	3.0	- -
MEDIUM TRUCKS=	4.00	1.0	- -
HEAVY TRUCKS =	8.01	3.0	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	94.4	92.4	91.1	85.1	93.5	94.1
MEDIUM TRUCKS	92.0	88.0	80.2	89.4	95.6	95.6
HEAVY TRUCKS	94.3	90.3	82.5	91.8	97.9	97.9
VEHICULAR NOISE	98.5	95.4	92.0	94.3	100.8	**101.0**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	62312	197046	623115	1970464
LDN	60176	190294	601763	1902943

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY I10 freeway
SEGMENT Calimesa Blvd to Singleton Rd
LOCATION: City of Calimesa, CA SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	122,876
SPEED =	65
PK HR % =	10
NEAR LANE/FAR LANE DIST =	100
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	12,288

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.869
MEDIUM TRUCKS	0.480	0.020	0.500	0.040
HEAVY TRUCKS	0.480	0.020	0.500	0.091

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	3.0	- -
MEDIUM TRUCKS=	4.00	1.0	- -
HEAVY TRUCKS =	8.01	3.0	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	94.5	92.5	91.2	85.2	93.6	94.3
MEDIUM TRUCKS	92.1	88.1	80.3	89.5	95.7	95.7
HEAVY TRUCKS	94.4	90.4	82.7	91.9	98.0	98.0
VEHICULAR NOISE	98.6	95.5	92.1	94.4	100.9	**101.1**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	63871	201978	638709	2019777
LDN	61682	195057	616823	1950566

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY 7th St
SEGMENT Ave L to Sandlewood Dr
LOCATION: City of Calimesa, CA
SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	20,677
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	2,068

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
HEAVY TRUCKS	0.480	0.020	0.500	0.050

MISC. VEHICLE INFO

VEHICLE TYPE	HEIGHT	SLE DISTANCE	GRADE ADJUSTMENT
AUTOMOBILES =	2.00	34.8	- -
MEDIUM TRUCKS=	4.00	34.7	- -
HEAVY TRUCKS =	8.01	34.8	0.0

NOISE OUTPUT DATA

NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)

VEHICLE TYPE	PK HR LEQ	DAY LEQ	EVEN LEQ	NIGHT LEQ	LDN	CNEL
AUTOMOBILES	70.3	68.3	67.0	61.0	69.4	70.0
MEDIUM TRUCKS	64.4	60.4	52.7	61.9	68.0	68.1
HEAVY TRUCKS	71.5	67.5	59.7	68.9	75.1	75.1
VEHICULAR NOISE	74.4	71.3	67.9	70.3	76.7	**76.9**

NOISE CONTOUR (FT)				
NOISE LEVELS	70 dBA	65 dBA	60 dBA	55 dBA
CNEL	245	774	2449	7744
LDN	237	748	2366	7481

FHWA-RD-77-108 ROADWAY TRAFFIC NOISE PREDICTION MODEL (CNEL) - CALVENO

PROJECT: Calimesa Housing
ROADWAY 7th St
SEGMENT County Line Rd to Ave L
LOCATION: City of Calimesa, CA
SCENARIO: Existing plus Project

JOB #: 0889-2021-04
DATE: 10-Dec-21
ENGINEER: C Pincock

NOISE INPUT DATA

ROADWAY CONDITIONS

ADT =	20,677
SPEED =	40
PK HR % =	10
NEAR LANE/FAR LANE DIST =	72
ROAD ELEVATION =	0
GRADE =	0
PK HR VOL =	2,068

RECEIVER INPUT DATA

RECEIVER DISTANCE =		50
DIST C/L TO WALL =		0
RECEIVER HEIGHT =		5
WALL DISTANCE FROM RECEIVER =		50
PAD ELEVATION =		0
ROADWAY VIEW:	LF ANGLE	-90
	RT ANGLE	90
	DF ANGLE	180

SITE CONDITIONS

AUTOMOBILES	10	
MED TRUCKS	10	(HARD SITE=10, SOFT SITE=15)
HVY TRUCKS	10	

WALL INFORMATION

HTH WALL =	0	FT
AMBIENT =	0	
BARRIER =	0	(0=WALL,1=BERM)

VEHICLE MIX DATA

VEHICLE TYPE	DAY	EVE	NIGHT	DAILY
AUTOMOBILES	0.755	0.140	0.105	0.920
MEDIUM TRUCKS	0.480	0.020	0.500	0.030
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MISC. VEHICLE INFO

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MEDIUM TRUCKS=	4.00	34.7	- -
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