

**Appendix G**  
**Noise Modelling Data**

### Noise Measurement Field Data

<b>Project:</b>	UCI ICMC	<b>Job Number:</b>	194105105
<b>Site No.:</b>	1	<b>Date:</b>	12/19/2019
<b>Analyst:</b>	Prathna Maharaj	<b>Time:</b>	12:59 PM - 1:09 PM
<b>Location:</b>	4301 Jamboree Rd		
<b>Noise Sources:</b>	Traffic on Jamboree Road		
<b>Comments:</b>	none		

<b>Results (dBA):</b>				
	<b>Leq:</b>	<b>Lmin:</b>	<b>Lmax:</b>	<b>Peak:</b>
	70.7	49.1	79.1	99.4

Equipment	
<b>Sound Level Meter:</b>	LD SoundExpert LxT
<b>Calibrator:</b>	CAL200
<b>Response Time:</b>	Slow
<b>Weighting:</b>	A
<b>Microphone Height:</b>	5 feet

Weather	
<b>Temp. (degrees F):</b>	64
<b>Wind (mph):</b>	5.6 mph
<b>Sky:</b>	Clear
<b>Bar. Pressure:</b>	30.01" Hg
<b>Humidity:</b>	34%

**Photo:**



# Measurement Report

## Report Summary

Meter's File Name UCI\_\_\_\_.001      Computer's File Name SLM\_0005586\_UCI\_\_\_\_.001.00.ldbin  
 Meter LxT SE  
 Firmware 2.402  
 User Ryan Chiene      Location  
 Description UCI Child Development Center  
 Note  
 Start Time 2019-12-19 12:59:23      Duration 0:10:00.0  
 End Time 2019-12-19 13:09:23      Run Time 0:10:00.0      Pause Time 0:00:00.0

## Results

### Overall Metrics

LA<sub>eq</sub> 70.7 dB  
 LAE 98.5 dB      SEA --- dB  
 EA 789.8 μPa<sup>2</sup>h  
 LZ<sub>peak</sub> 99.4 dB      2019-12-19 13:06:52  
 LAS<sub>max</sub> 79.1 dB      2019-12-19 13:01:02  
 LAS<sub>min</sub> 49.1 dB      2019-12-19 13:06:08  
 LA<sub>eq</sub> 70.7 dB  
 LC<sub>eq</sub> 76.6 dB      LC<sub>eq</sub> - LA<sub>eq</sub> 5.9 dB  
 LAI<sub>eq</sub> 71.8 dB      LAI<sub>eq</sub> - LA<sub>eq</sub> 1.1 dB

### Exceedances

Exceedance	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 135.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 137.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 140.0 dB	0	0:00:00.0

### Community Noise

LDN	LDay	LNight	
70.7 dB	70.7 dB	0.0 dB	
LDEN	LDay	LEve	LNight
70.7 dB	70.7 dB	--- dB	--- dB

### Any Data

	Level	A Time Stamp	Level	C Time Stamp	Level	Z Time Stamp
L <sub>eq</sub>	70.7 dB		76.6 dB		--- dB	
LS <sub>(max)</sub>	79.1 dB	2019-12-19 13:01:02	--- dB		--- dB	
LS <sub>(min)</sub>	49.1 dB	2019-12-19 13:06:08	--- dB		--- dB	
L <sub>Peak(max)</sub>	--- dB		--- dB		99.4 dB	2019-12-19 13:06:52

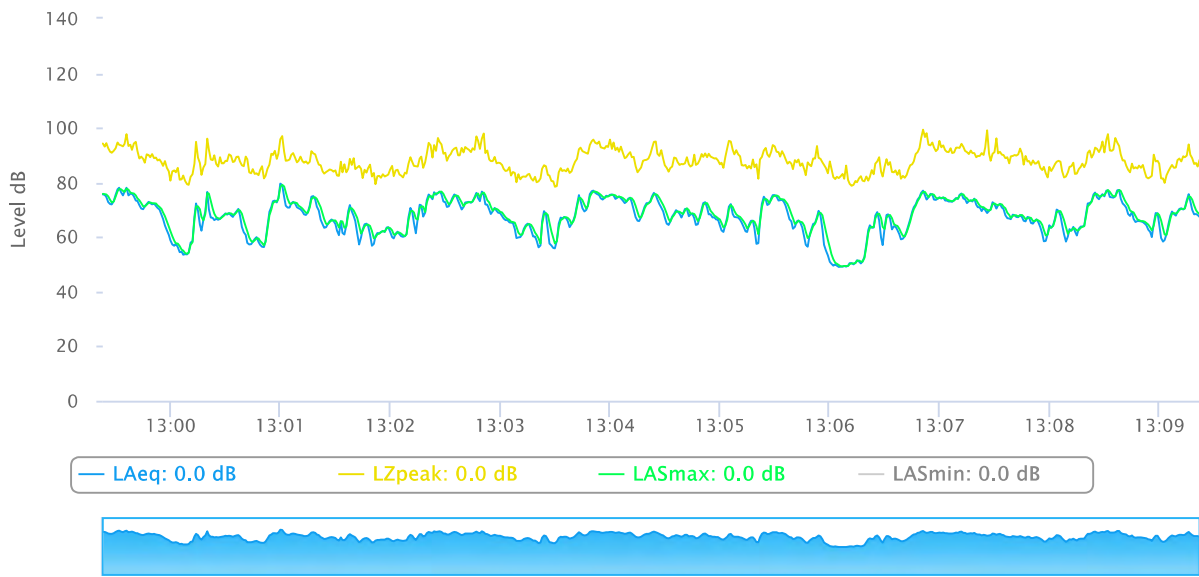
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

### Statistics

LAS 5.0 75.7 dB  
 LAS 10.0 74.9 dB  
 LAS 33.3 71.2 dB  
 LAS 50.0 68.3 dB  
 LAS 66.6 65.6 dB  
 LAS 90.0 60.0 dB

## Time History



### Noise Measurement Field Data

<b>Project:</b>	UCI ICMC	<b>Job Number:</b>	194105105
<b>Site No.:</b>	2	<b>Date:</b>	12/19/2019
<b>Analyst:</b>	Prathna Maharaj	<b>Time:</b>	1:21 PM - 1:31 PM
<b>Location:</b>	Intersection of Jamboree Rd and Campus Dr		
<b>Noise Sources:</b>	Airplanes overhead		
<b>Comments:</b>	none		

<b>Results (dBA):</b>				
	<b>Leq:</b>	<b>Lmin:</b>	<b>Lmax:</b>	<b>Peak:</b>
	65.2	56.9	73.7	97.8

Equipment	
<b>Sound Level Meter:</b>	LD SoundExpert LxT
<b>Calibrator:</b>	CAL200
<b>Response Time:</b>	Slow
<b>Weighting:</b>	A
<b>Microphone Height:</b>	5 feet

Weather	
<b>Temp. (degrees F):</b>	64
<b>Wind (mph):</b>	5.6 mph
<b>Sky:</b>	Clear
<b>Bar. Pressure:</b>	30.01" Hg
<b>Humidity:</b>	34%

Photo:



# Measurement Report

## Report Summary

Meter's File Name	UCI____.002	Computer's File Name	SLM_0005586_UCI____.002.00.ldbin
Meter	LxT SE		
Firmware	2.402		
User	Ryan Chiene	Location	
Description	UCI Child Development Center		
Note			
Start Time	2019-12-19 13:21:00	Duration	0:10:00.0
End Time	2019-12-19 13:31:00	Run Time	0:10:00.0
		Pause Time	0:00:00.0

## Results

### Overall Metrics

L <sub>Aeq</sub>	65.2 dB		
L <sub>AE</sub>	93.0 dB	SEA	--- dB
EA	221.3 μPa²h		
L <sub>Zpeak</sub>	97.8 dB	2019-12-19 13:30:56	
L <sub>Smax</sub>	73.7 dB	2019-12-19 13:25:32	
L <sub>Smin</sub>	56.9 dB	2019-12-19 13:22:44	
L <sub>Aeq</sub>	65.2 dB		
L <sub>Ceq</sub>	75.4 dB	L <sub>Ceq</sub> - L <sub>Aeq</sub>	10.2 dB
L <sub>A1eq</sub>	66.8 dB	L <sub>A1eq</sub> - L <sub>Aeq</sub>	1.6 dB

### Exceedances

	Count	Duration
L <sub>S</sub> > 85.0 dB	0	0:00:00.0
L <sub>S</sub> > 115.0 dB	0	0:00:00.0
L <sub>Zpeak</sub> > 135.0 dB	0	0:00:00.0
L <sub>Zpeak</sub> > 137.0 dB	0	0:00:00.0
L <sub>Zpeak</sub> > 140.0 dB	0	0:00:00.0

### Community Noise

LDN	LDay	LNight	
65.2 dB	65.2 dB	0.0 dB	
LDEN	LDay	LEve	LNight
65.2 dB	65.2 dB	--- dB	--- dB

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L <sub>eq</sub>	65.2 dB		75.4 dB		--- dB	
L <sub>S(max)</sub>	73.7 dB	2019-12-19 13:25:32	--- dB		--- dB	
L <sub>S(min)</sub>	56.9 dB	2019-12-19 13:22:44	--- dB		--- dB	
L <sub>Peak(max)</sub>	--- dB		--- dB		97.8 dB	2019-12-19 13:30:56

### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

### Statistics

L <sub>S</sub> 5.0	69.6 dB
L <sub>S</sub> 10.0	68.5 dB
L <sub>S</sub> 33.3	65.2 dB
L <sub>S</sub> 50.0	63.9 dB
L <sub>S</sub> 66.6	62.7 dB
L <sub>S</sub> 90.0	59.5 dB

# Time History



### Noise Measurement Field Data

<b>Project:</b>	UCI ICMC	<b>Job Number:</b>	194105105
<b>Site No.:</b>	3	<b>Date:</b>	12/19/2019
<b>Analyst:</b>	Prathna Maharaj	<b>Time:</b>	1:41 PM - 1:51 PM
<b>Location:</b>	UCI Child Development Center		
<b>Noise Sources:</b>	Airplanes overhead		
<b>Comments:</b>	none		
<b>Results (dBA):</b>			
	<b>Leq:</b>	<b>Lmin:</b>	<b>Lmax:</b>
	67.4	48.3	75.9
			<b>Peak:</b>
			98.2

Equipment	
<b>Sound Level Meter:</b>	LD SoundExpert LxT
<b>Calibrator:</b>	CAL200
<b>Response Time:</b>	Slow
<b>Weighting:</b>	A
<b>Microphone Height:</b>	5 feet

Weather	
<b>Temp. (degrees F):</b>	64
<b>Wind (mph):</b>	5.6 mph
<b>Sky:</b>	Clear
<b>Bar. Pressure:</b>	30.01" Hg
<b>Humidity:</b>	34%

Photo:





# Measurement Report

## Report Summary

Meter's File Name	UCI____.003	Computer's File Name	SLM_0005586_UCI____.003.00.ldbin
Meter	LxT SE		
Firmware	2.402		
User	Ryan Chiene	Location	
Description	UCI Child Development Center		
Note			
Start Time	2019-12-19 13:41:19	Duration	0:10:00.0
End Time	2019-12-19 13:51:19	Run Time	0:10:00.0
		Pause Time	0:00:00.0

## Results

### Overall Metrics

LA <sub>eq</sub>	67.4 dB		
LAE	95.2 dB	SEA	--- dB
EA	370.4 μPa <sup>2</sup> h		
LZ <sub>peak</sub>	98.2 dB	2019-12-19 13:41:40	
LAS <sub>max</sub>	75.9 dB	2019-12-19 13:44:48	
LAS <sub>min</sub>	48.3 dB	2019-12-19 13:43:21	
LA <sub>eq</sub>	67.4 dB		
LC <sub>eq</sub>	74.1 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	6.7 dB
LAI <sub>eq</sub>	68.4 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	1.0 dB

Exceedances	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 135.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 137.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	67.4 dB	67.4 dB	0.0 dB
	LDEN	LDay	LEve
	67.4 dB	67.4 dB	---
			LNight
			---

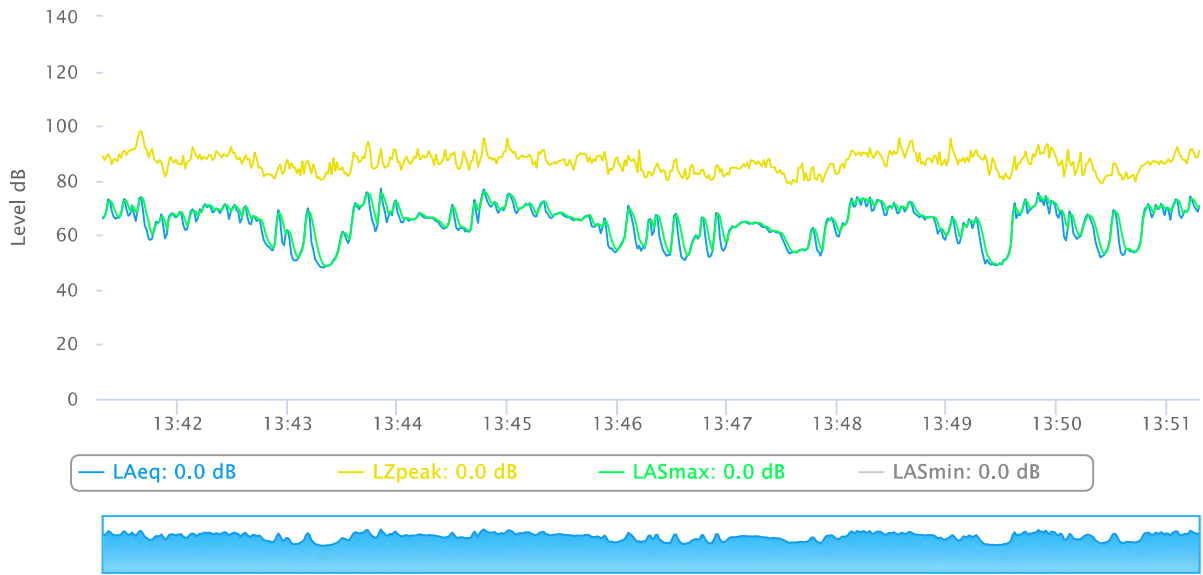
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L <sub>eq</sub>	67.4 dB		74.1 dB		---	
LS <sub>(max)</sub>	75.9 dB	2019-12-19 13:44:48	---		---	
LS <sub>(min)</sub>	48.3 dB	2019-12-19 13:43:21	---		---	
L <sub>Peak(max)</sub>	---		---		98.2 dB	2019-12-19 13:41:40

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

### Statistics

LAS 5.0	72.4 dB
LAS 10.0	71.2 dB
LAS 33.3	67.9 dB
LAS 50.0	65.7 dB
LAS 66.6	62.8 dB
LAS 90.0	54.5 dB

## Time History



Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/17/2020  
 Case Description: Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residences	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	450	0
Excavator	No	40		80.7	450	0
Excavator	No	40		80.7	450	0
Excavator	No	40		80.7	450	0
Dozer	No	40		81.7	450	0
Dozer	No	40		81.7	450	0

Equipment	Results															
	Calculated (dBA)				Noise Limits (dBA)				Noise Limit Exceedance (dBA)							
	*Lmax		Leq		Day		Evening		Night		Day		Evening		Night	
Concrete Saw	70.5		63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	61.6		57.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	61.6		57.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	61.6		57.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	62.6		58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	62.6		58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	70.5		67.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
CCH	Commercial	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	100	0
Excavator	No	40		80.7	100	0
Excavator	No	40		80.7	100	0
Excavator	No	40		80.7	100	0
Dozer	No	40		81.7	100	0
Dozer	No	40		81.7	100	0

Equipment	Results															
	Calculated (dBA)				Noise Limits (dBA)				Noise Limit Exceedance (dBA)							
	*Lmax		Leq		Day		Evening		Night		Day		Evening		Night	
Concrete Saw	83.6		76.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	74.7		70.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	74.7		70.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	74.7		70.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	75.6		71.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	75.6		71.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	83.6		80.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/17/2020  
 Case Description: Site Preparation

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residences	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec		Receptor Distance (feet)	Estimated Shielding (dBA)
			Lmax (dBA)	Actual Lmax (dBA)		
Dozer	No	40	81.7	81.7	450	0
Dozer	No	40	81.7	81.7	450	0
Dozer	No	40	81.7	81.7	450	0
Tractor	No	40	84	84	450	0
Front End Loader	No	40	79.1	79.1	450	0
Backhoe	No	40	77.6	77.6	450	0
Front End Loader	No	40	79.1	79.1	450	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
Dozer	62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.9	60.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	60	56	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	58.5	54.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	60	56	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	<b>64.9</b>	<b>66.5</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
CCH	Commercial	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec		Receptor Distance (feet)	Estimated Shielding (dBA)
			Lmax (dBA)	Actual Lmax (dBA)		
Dozer	No	40	81.7	81.7	100	0
Dozer	No	40	81.7	81.7	100	0
Dozer	No	40	81.7	81.7	100	0
Tractor	No	40	84	84	100	0
Front End Loader	No	40	79.1	79.1	100	0
Backhoe	No	40	77.6	77.6	100	0
Front End Loader	No	40	79.1	79.1	100	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
Dozer	75.6	71.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	75.6	71.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	75.6	71.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	78	74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	71.5	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	<b>78</b>	<b>79.6</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/17/2020  
 Case Description: Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residences	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Excavator	No	40		80.7	450	0
Grader	No	40	85		450	0
Dozer	No	40		81.7	450	0
Tractor	No	40	84		450	0
Front End Loader	No	40		79.1	450	0
Backhoe	No	40		77.6	450	0

Equipment	Results														
	Calculated (dBA)						Noise Limits (dBA)						Noise Limit Exceedance (dBA)		
	*Lmax		Leq		Day		Evening		Night		Day		Evening		Night
Excavator	61.6	57.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	65.9	61.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.9	60.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	60	56	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	58.5	54.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	<b>65.9</b>	<b>66.8</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
CCH	Commercial	60	55	50

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Excavator	No	40		80.7	100	0
Grader	No	40	85		100	0
Dozer	No	40		81.7	100	0
Tractor	No	40	84		100	0
Front End Loader	No	40		79.1	100	0
Backhoe	No	40		77.6	100	0

Equipment	Results														
	Calculated (dBA)						Noise Limits (dBA)						Noise Limit Exceedance (dBA)		
	*Lmax		Leq		Day		Evening		Night		Day		Evening		Night
Excavator	74.7	70.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	79	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	75.6	71.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	78	74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	71.5	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	<b>79</b>	<b>79.9</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/17/2020  
 Case Description: Building

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residences	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Crane	No	16		80.6	450	0
Generator	No	50		80.6	450	0
Tractor	No	40	84		450	0
Backhoe	No	40		77.6	450	0
Front End Loader	No	40		79.1	450	0
Welder / Torch	No	40		74	450	0

Equipment	Results														
	Calculated (dBA)						Noise Limits (dBA)						Noise Limit Exceedance (dBA)		
	*Lmax		Leq		Day		Evening		Night		Day		Evening		Night
Crane	61.5	53.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	61.5	58.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.9	60.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	58.5	54.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	60	56	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	54.9	50.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	<b>64.9</b>	<b>64.8</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
CCH	Commercial	60	55	50

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Crane	No	16		80.6	100	0
Generator	No	50		80.6	100	0
Tractor	No	40	84		100	0
Backhoe	No	40		77.6	100	0
Front End Loader	No	40		79.1	100	0
Welder / Torch	No	40		74	100	0

Equipment	Results														
	Calculated (dBA)						Noise Limits (dBA)						Noise Limit Exceedance (dBA)		
	*Lmax		Leq		Day		Evening		Night		Day		Evening		Night
Crane	74.5	66.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	74.6	71.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	78	74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	71.5	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	68	64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	<b>78</b>	<b>77.8</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/17/2020  
 Case Description: Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residences	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	450	0
Paver	No	50		77.2	450	0
Roller	No	20		80	450	0
Roller	No	20		80	450	0
Pavement Scarafier	No	20		89.5	450	0
All Other Equipment > 5 HP	No	50	85		450	0

Results

Equipment	Calculated (dBA)				Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
	Day		Evening		Night		Day		Evening		Night			
	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	58.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	58.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	60.9	53.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	60.9	53.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	70.4	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	65.9	62.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	70.4	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
CCH	Commercial	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	100	0
Paver	No	50		77.2	100	0
Roller	No	20		80	100	0
Roller	No	20		80	100	0
Pavement Scarafier	No	20		89.5	100	0
All Other Equipment > 5 HP	No	50	85		100	0

Results

Equipment	Calculated (dBA)				Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
	Day		Evening		Night		Day		Evening		Night			
	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	71.2	68.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	71.2	68.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	74	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	74	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	83.5	76.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	79	76	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	83.5	80.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/17/2020  
 Case Description: Architectural Coating

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residences	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	450	0
Compressor (air)	No	40		77.7	450	0

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	58.6	54.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compressor (air)	58.6	54.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	<b>58.6</b>	<b>57.6</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
CCH	Commercial	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	100	0
Compressor (air)	No	40		77.7	100	0

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	71.6	67.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compressor (air)	71.6	67.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	<b>71.6</b>	<b>70.7</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.



**FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels**

**Project Name:** UCI ICMC  
**Project Number:** 194105201  
**Scenario:** Existing  
**Ldn/CNEL:** CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Jamboree Road	SR-73 to MacArthur Boulevard	6	30	35,000	55	0	2.0%	1.0%	71.1	129	409	1,294	4,090
2	Jamboree Road	MacArthur to Fairchild	6	12	42,000	55	0	2.0%	1.0%	71.7	149	470	1,486	4,698
3	Jamboree Road	Fairchild Road to Birch Street	6	12	42,000	55	0	2.0%	1.0%	71.7	149	470	1,486	4,698
4	Jamboree Road	Birch Street to Campus Drive	6	24	42,000	50	0	2.0%	1.0%	70.8	121	383	1,212	3,832
5	Jamboree Road	Campus Drive to Michelson Drive	6	24	42,000	50	0	2.0%	1.0%	70.8	121	383	1,212	3,832
6	Jamboree Road	Michelson Drive to I-405	8	24	80,000	50	0	2.0%	1.0%	74.0	249	787	2,489	7,870
7	Jamboree Road	I-405 to Main Street	8	24	80,000	50	0	2.0%	1.0%	74.0	249	787	2,489	7,870
8	Jamboree Road	Main Street to McGaw Avenue	8	24	60,000	50	0	2.0%	1.0%	72.7	187	590	1,867	5,903
9	Jamboree Road	McGaw Avenue to Alton Parkway	8	24	60,000	50	0	2.0%	1.0%	72.7	187	590	1,867	5,903
10	Jamboree Road	Alton Parkway to Barranca Parkway	8	24	54,000	50	0	2.0%	1.0%	72.3	168	531	1,680	5,312
11	Carlson Avenue	Campus Drive to Michelson Drive	4	6	9,000	50	0	2.0%	1.0%	63.8	-	76	241	762
12	Campus Drive	West of Von Karman Avenue	4	12	12,000	45	0	2.0%	1.0%	64.0	-	80	252	797
13	Campus Drive	Von Karman Avenue to Jamboree Road	4	12	11,000	45	0	2.0%	1.0%	63.6	-	73	231	731
14	Campus Drive	Jamboree Road to Carlson Avenue	4	24	16,000	45	0	2.0%	1.0%	65.3	-	108	342	1,082
15	Campus Drive	Carlson Avenue to University Drive	2	0	17,000	55	0	2.0%	1.0%	67.5	56	178	562	1,777
16	Campus Drive	East of University Drive	4	12	21,000	45	0	2.0%	1.0%	66.4	-	140	441	1,395

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.  
 "-" = contour is located within the roadway right-of-way.

**FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels**

**Project Name:** UCI ICMC  
**Project Number:** 194105201  
**Scenario:** Existing Plus Project  
**Ldn/CNEL:** CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Jamboree Road	SR-73 to MacArthur Boulevard	6	30	37,700	55	0	2.0%	1.0%	71.4	139	441	1,393	4,406
2	Jamboree Road	MacArthur to Fairchild	6	12	45,800	55	0	2.0%	1.0%	72.1	162	512	1,620	5,123
3	Jamboree Road	Fairchild Road to Birch Street	6	12	45,800	55	0	2.0%	1.0%	72.1	162	512	1,620	5,123
4	Jamboree Road	Birch Street to Campus Drive	6	24	44,300	50	0	2.0%	1.0%	71.1	128	404	1,278	4,041
5	Jamboree Road	Campus Drive to Michelson Drive	6	24	44,900	50	0	2.0%	1.0%	71.1	130	410	1,295	4,096
6	Jamboree Road	Michelson Drive to I-405	8	24	81,900	50	0	2.0%	1.0%	74.1	255	806	2,548	8,057
7	Jamboree Road	I-405 to Main Street	8	24	81,000	50	0	2.0%	1.0%	74.0	252	797	2,520	7,968
8	Jamboree Road	Main Street to McGaw Avenue	8	24	60,300	50	0	2.0%	1.0%	72.7	188	593	1,876	5,932
9	Jamboree Road	McGaw Avenue to Alton Parkway	8	24	60,300	50	0	2.0%	1.0%	72.7	188	593	1,876	5,932
10	Jamboree Road	Alton Parkway to Barranca Parkway	8	24	53,800	50	0	2.0%	1.0%	72.2	167	529	1,674	5,293
11	Carlson Avenue	Campus Drive to Michelson Drive	4	6	9,500	50	0	2.0%	1.0%	64.1	-	80	254	804
12	Campus Drive	West of Von Karman Avenue	4	12	12,600	45	0	2.0%	1.0%	64.2	-	84	265	837
13	Campus Drive	Von Karman Avenue to Jamboree Road	4	12	11,600	45	0	2.0%	1.0%	63.9	-	77	244	771
14	Campus Drive	Jamboree Road to Carlson Avenue	4	24	17,400	45	0	2.0%	1.0%	65.7	-	118	372	1,176
15	Campus Drive	Carlson Avenue to University Drive	2	0	17,800	55	0	2.0%	1.0%	67.7	59	186	588	1,861
16	Campus Drive	East of University Drive	4	12	21,500	45	0	2.0%	1.0%	66.5	-	143	452	1,428

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.  
 "-" = contour is located within the roadway right-of-way.

**FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels**

**Project Name:** UCI ICMC  
**Project Number:** 194105201  
**Scenario:** Horizon Year  
**Ldn/CNEL:** CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Jamboree Road	SR-73 to MacArthur Boulevard	6	30	35,300	55	0	2.0%	1.0%	71.2	130	413	1,305	4,125
2	Jamboree Road	MacArthur to Fairchild	6	12	43,700	55	0	2.0%	1.0%	71.9	155	489	1,546	4,888
3	Jamboree Road	Fairchild Road to Birch Street	6	12	49,700	55	0	2.0%	1.0%	72.5	176	556	1,758	5,560
4	Jamboree Road	Birch Street to Campus Drive	6	24	51,800	50	0	2.0%	1.0%	71.7	149	473	1,494	4,726
5	Jamboree Road	Campus Drive to Michelson Drive	6	24	54,100	50	0	2.0%	1.0%	71.9	156	494	1,561	4,935
6	Jamboree Road	Michelson Drive to I-405	8	24	94,300	50	0	2.0%	1.0%	74.7	293	928	2,934	9,277
7	Jamboree Road	I-405 to Main Street	8	24	79,200	50	0	2.0%	1.0%	73.9	246	779	2,464	7,791
8	Jamboree Road	Main Street to McGaw Avenue	8	24	74,800	50	0	2.0%	1.0%	73.7	233	736	2,327	7,359
9	Jamboree Road	McGaw Avenue to Alton Parkway	8	24	62,600	50	0	2.0%	1.0%	72.9	195	616	1,947	6,158
10	Jamboree Road	Alton Parkway to Barranca Parkway	8	24	57,800	50	0	2.0%	1.0%	72.5	180	569	1,798	5,686
11	Carlson Avenue	Campus Drive to Michelson Drive	4	6	9,100	50	0	2.0%	1.0%	63.9	-	77	244	771
12	Campus Drive	West of Von Karman Avenue	4	12	17,100	45	0	2.0%	1.0%	65.6	-	114	359	1,136
13	Campus Drive	Von Karman Avenue to Jamboree Road	4	12	16,000	45	0	2.0%	1.0%	65.3	-	106	336	1,063
14	Campus Drive	Jamboree Road to Carlson Avenue	4	24	26,500	45	0	2.0%	1.0%	67.5	57	179	567	1,792
15	Campus Drive	Carlson Avenue to University Drive	2	0	30,000	55	0	2.0%	1.0%	70.0	99	314	992	3,136
16	Campus Drive	East of University Drive	4	12	32,800	45	0	2.0%	1.0%	68.4	69	218	689	2,179

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.  
 "-" = contour is located within the roadway right-of-way.

**FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels**

**Project Name:** UCI ICMC  
**Project Number:** 194105201  
**Scenario:** Horizon Year Plus Project  
**Ldn/CNEL:** CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 100 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Jamboree Road	SR-73 to MacArthur Boulevard	6	30	37,800	55	0	2.0%	1.0%	71.5	140	442	1,397	4,418
2	Jamboree Road	MacArthur to Fairchild	6	12	46,600	55	0	2.0%	1.0%	72.2	165	521	1,648	5,213
3	Jamboree Road	Fairchild Road to Birch Street	6	12	51,600	55	0	2.0%	1.0%	72.6	183	577	1,825	5,772
4	Jamboree Road	Birch Street to Campus Drive	6	24	52,700	50	0	2.0%	1.0%	71.8	152	481	1,520	4,808
5	Jamboree Road	Campus Drive to Michelson Drive	6	24	55,100	50	0	2.0%	1.0%	72.0	159	503	1,590	5,027
6	Jamboree Road	Michelson Drive to I-405	8	24	95,100	50	0	2.0%	1.0%	74.7	296	936	2,958	9,356
7	Jamboree Road	I-405 to Main Street	8	24	79,700	50	0	2.0%	1.0%	73.9	248	784	2,479	7,841
8	Jamboree Road	Main Street to McGaw Avenue	8	24	75,200	50	0	2.0%	1.0%	73.7	234	740	2,339	7,398
9	Jamboree Road	McGaw Avenue to Alton Parkway	8	24	62,800	50	0	2.0%	1.0%	72.9	195	618	1,954	6,178
10	Jamboree Road	Alton Parkway to Barranca Parkway	8	24	57,900	50	0	2.0%	1.0%	72.6	180	570	1,801	5,696
11	Carlson Avenue	Campus Drive to Michelson Drive	4	6	9,400	50	0	2.0%	1.0%	64.0	-	80	252	796
12	Campus Drive	West of Von Karman Avenue	4	12	17,200	45	0	2.0%	1.0%	65.6	-	114	361	1,143
13	Campus Drive	Von Karman Avenue to Jamboree Road	4	12	16,400	45	0	2.0%	1.0%	65.4	-	109	345	1,090
14	Campus Drive	Jamboree Road to Carlson Avenue	4	24	26,900	45	0	2.0%	1.0%	67.6	58	182	575	1,819
15	Campus Drive	Carlson Avenue to University Drive	2	0	30,500	55	0	2.0%	1.0%	70.0	101	319	1,008	3,189
16	Campus Drive	East of University Drive	4	12	33,100	45	0	2.0%	1.0%	68.4	70	220	695	2,199

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.  
 "-" = contour is located within the roadway right-of-way.