

APPENDIX E

Noise Modeling Data

FIELD NOISE MEASUREMENT DATA

DUDEK

PROJECT SMMUSD JAMS PERFORMING ARTS CENTER PROJECT # 10504
 SITE ID _____
 SITE ADDRESS 2425 16TH ST, SANTA MONICA, CA 90405 OBSERVER(S) PETE VITAR
 START DATE 12/19/17 END DATE 12/19/17
 START TIME 10:55 AM END TIME 12:58 PM

METEOROLOGICAL CONDITIONS

TEMP 65 F HUMIDITY 43 % 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 P-3 TYPE 1 (2) SERIAL # 140317003
 CALIBRATOR BSWA CA 114 SERIAL # 490151
 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)
<u>2 (ST-1)</u>	<u>11:28</u>	<u>11:43</u>	<u>52.4</u>	<u>66.5</u>	<u>48.8</u>				

COMMENTS

READING TAKEN INSIDE CAMPUS OF JOHN ADAMS MIDDLE SCHOOL, IN OPEN AREA
SURROUNDED BY SCHOOL BUILDINGS; CLASSES IN SESSION, STUDENTS
WAITING BY METER DURING READING

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE ROADWAY TYPE: N/A TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER PASSING CONVERGENT
 DIST. TO RDWY C/L OR EOP: N/A
 TRAFFIC COUNT DURATION: _____ MIN SPEED _____ MIN SPEED
 DIRECTION NB/EB SB/WB NB/EB SB/WB IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE
 COUNT 1 (OR RDWY 1) AUTOS _____ MED TRKS _____ HVY TRKS _____ BUSES _____ MOTRCLS _____
 COUNT 2 (OR RDWY 2) _____

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE

POSTED SPEED LIMIT SIGNS SAY: N/A

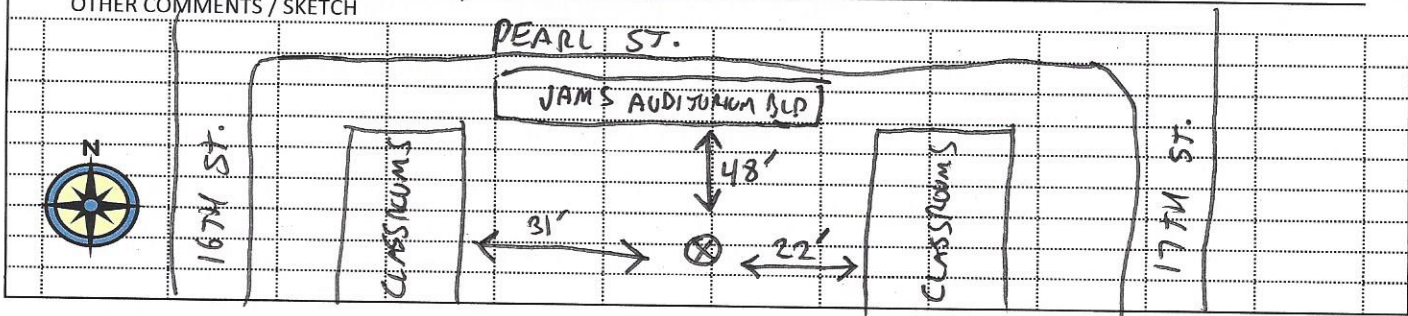
OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER: _____

DESCRIPTION / SKETCH

TERRAIN HARD SOFT MIXED FLAT OTHER: _____

PHOTOS IMG_0115; IMG_0116

OTHER COMMENTS / SKETCH



FIELD NOISE MEASUREMENT DATA

DUDEK

PROJECT SMMUSD JAMES PERFORMING ARTS CENTER PROJECT # 10504
 SITE ID _____
 SITE ADDRESS 2425 16TH ST, SANTA MONICA, CA 90405 OBSERVER(S) PETE VITAR
 START DATE 12/19/17 END DATE 12/19/17
 START TIME 10:55 AM END TIME 12:58 PM

METEOROLOGICAL CONDITIONS
 TEMP 65 F HUMIDITY 43 % 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 P-3 TYPE 1 (2) SERIAL # 140317003
 CALIBRATOR BSWA CA 114 SERIAL # 490151
 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)
<u>3 (ST-2)</u>	<u>11:49</u>	<u>12:04</u>	<u>61.3</u>	<u>72.5</u>	<u>48.8</u>				

COMMENTS
READING TAKEN INSIDE CAMPUS OF JOHN ADAMS MIDDLE SCHOOL, AT
~~NORTH~~ NORTH END OF CAMPUS, ~~IN~~ BETWEEN SCHOOL BUILDINGS;
PRIMARY NOISE SOURCE IS TRAFFIC ON PEARL ST.

SOURCE INFO AND TRAFFIC COUNTS
 PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: _____
 ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR EOP: 38'
 TRAFFIC COUNT DURATION: 15 MIN SPEED _____ MIN SPEED _____

COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB		SB/WB		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	NB/EB		SB/WB	
		NB/EB	SB/WB	NB/EB	SB/WB			NB/EB	SB/WB		
	AUTOS	<u>92</u>				☒					
	MED TRKS	<u>1</u>									
	HVY TRKS	<u>0</u>									
	BUSES	<u>2</u>									
	MOTRCLS	<u>0</u>									

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
 POSTED SPEED LIMIT SIGNS SAY: 25 MPH

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 IMG_017; IMG_018
 OTHER COMMENTS / SKETCH _____

FIELD NOISE MEASUREMENT DATA

DUDEK

PROJECT SMMUSD JAMS PERFORMING ARTS CENTER PROJECT # 10504
 SITE ID _____
 SITE ADDRESS 2425 16TH ST, SANTA MONICA, CA 90405 OBSERVER(S) PETE VITAR
 START DATE 12/19/17 END DATE 12/19/17
 START TIME 10:55 AM END TIME 12:58 PM

METEOROLOGICAL CONDITIONS
 TEMP 65 F HUMIDITY 43 % 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 P-3 TYPE 1 (2) SERIAL # 140317003
 CALIBRATOR BSWA CA 114 SERIAL # 490151
 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)
4 (ST-3)	12:19	12:34	64.4	81.6	50.7				

COMMENTS
READING TAKEN IN FRONT OF CHURCH BUILDING AT 1702 PEARL ST.;
PRIMARY NOISE SOURCE IS TRAFFIC ON PEARL ST.

SOURCE INFO AND TRAFFIC COUNTS
 PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER: _____
 ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR EOP: 33'
 TRAFFIC COUNT DURATION: 15 MIN SPEED _____ MIN SPEED _____

COUNT 1 (OR RDWY 1)	DIRECTION		SPEED		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	DIRECTION		SPEED	
	NB/EB	SB/WB	NB/EB	SB/WB			NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	<u>54</u>									
MED TRKS	<u>1</u>									
HVY TRKS	<u>0</u>									
BUSES	<u>4</u>									
MOTRCLS	<u>0</u>									

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
 POSTED SPEED LIMIT SIGNS SAY: 25 MPH

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) (FLAT) OTHER: _____
 PHOTOS IMG-0119; IMG-0120; IMG-0121
 OTHER COMMENTS / SKETCH

FIELD NOISE MEASUREMENT DATA

PROJECT SMMUSD JAMS PERFORMING ARTS CENTER PROJECT # 10504
 SITE ID _____
 SITE ADDRESS 2425 16TH ST, SANTA MONICA, CA 90405 OBSERVER(S) PETE VITAR
 START DATE 12/19/17 END DATE 12/19/17
 START TIME 10:55 AM END TIME 12:58 PM

METEOROLOGICAL CONDITIONS

TEMP 65 F HUMIDITY 43 % 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 P-3 TYPE 1 (2) SERIAL # 140317003
 CALIBRATOR BSWA CA 114 SERIAL # 490151
 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)
<u>5 (ST-4)</u>	<u>12:43</u>	<u>12:58</u>	<u>66.8</u>	<u>88.2</u>	<u>49.6</u>				

COMMENTS

READING TAKEN IN FRONT OF SINGLE FAMILY RESIDENCE AT 1701 17TH ST.;
PRIMARY NOISE SOURCE IS TRAFFIC ON 17TH ST.

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER: _____
 ROADWAY TYPE: AS PAVT DIST. TO RDWY C/L OR EOP: 16'

TRAFFIC COUNT DURATION: <u>15</u> MIN		SPEED				MIN		SPEED			
COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB
	AUTOS	<u>42</u>									
	MED TRKS	<u>2</u>									
	HVY TRKS	<u>0</u>									
	BUSES	<u>3</u>									
	MOTRCLS	<u>6</u>									

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE

POSTED SPEED LIMIT SIGNS SAY: 25 MPH

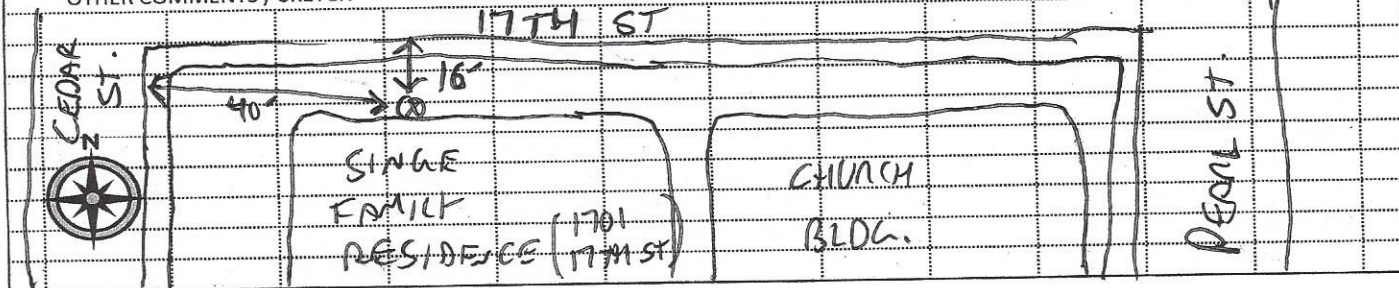
OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRTSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER: CHILDREN PLAYING IN JOHN ADAMS MIDDLE SCHOOL YARD ACROSS
17TH ST.; ~~BUS~~ BUS STOP IDLING AT STOP ON 17TH ST

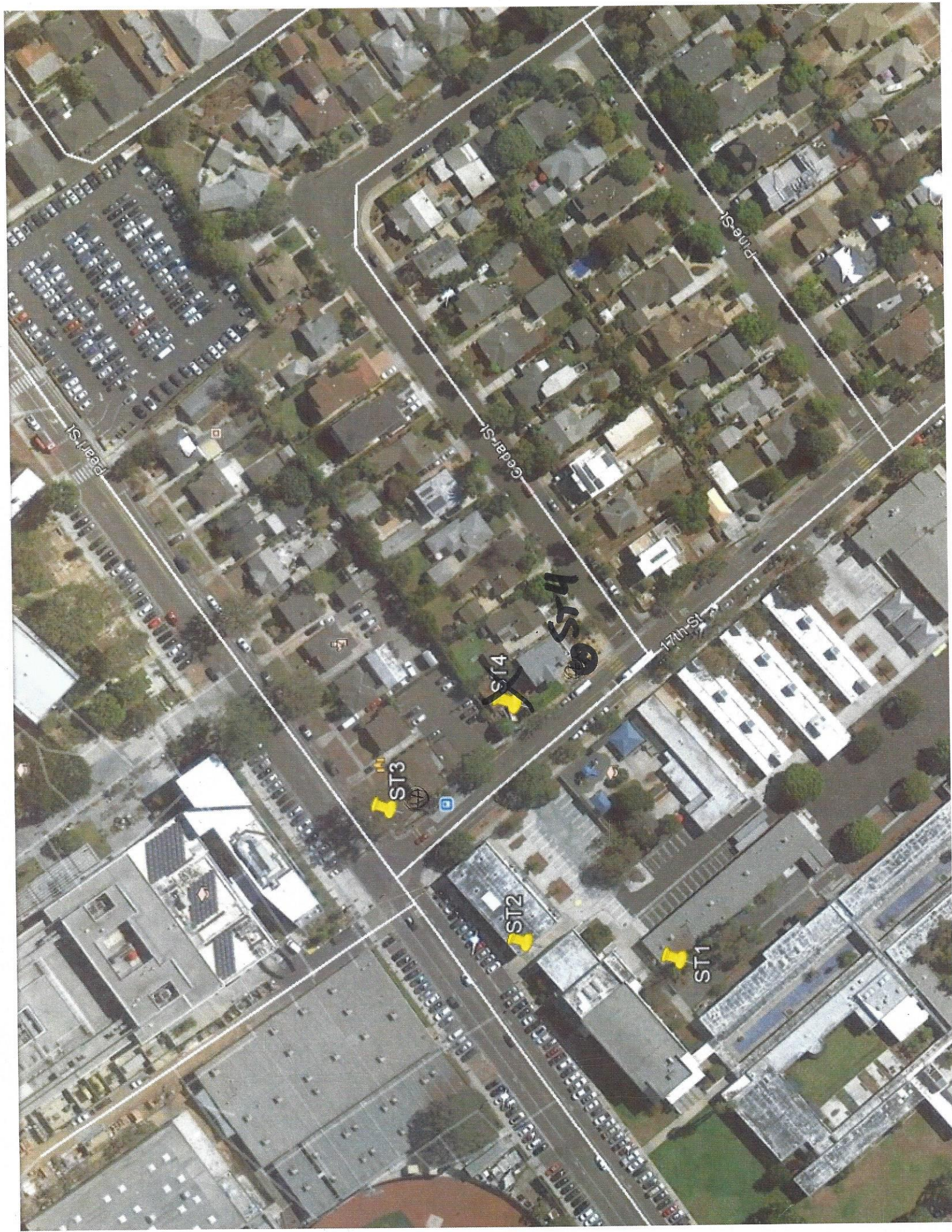
DESCRIPTION / SKETCH

TERRAIN (HARD) SOFT MIXED (FLAT) OTHER: _____

PHOTOS IMG_0122; IMG_0123; IMG_0124; IMG_0125

OTHER COMMENTS / SKETCH





Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/25/2018

Case Description: JAMS Performing Arts Center Ph 1 Demo New Auditorium

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest	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	230	0
Dozer	No	40		81.7	250	0
Backhoe	No	40		77.6	300	0
Front End Loader	No	40		79.1	230	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Concrete Saw	76.3	69.3	N/A	N/A	N/A	N/A	N/A
Dozer	67.7	63.7	N/A	N/A	N/A	N/A	N/A
Backhoe	62	58	N/A	N/A	N/A	N/A	N/A
Front End Loader	65.9	61.9	N/A	N/A	N/A	N/A	N/A
Total	76.3	71.2	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
Typical	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	450	0
Dozer	No	40		81.7	450	0
Backhoe	No	40		77.6	450	0
Front End Loader	No	40		79.1	450	0

Results

Calculated (dBA)	Noise Limits (dBA)		
	Day	Evening	Night

Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Concrete Saw	70.5	63.5	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
Backhoe	58.5	54.5	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
Total	70.5	65.6	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: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 2 Remod Bldg J

---- Receptor #1 ----

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

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	200	0
Man Lift	No	20		74.7	220	0
Man Lift	No	20		74.7	250	0
Generator	No	50		80.6	200	0
Backhoe	No	40		77.6	220	0
Front End Loader	No	40		79.1	250	0
Welder / Torch	No	40		74	200	0
Welder / Torch	No	40		74	220	0
Welder / Torch	No	40		74	250	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Crane	68.5	60.6	N/A	N/A	N/A	N/A	N/A
Man Lift	61.8	54.8	N/A	N/A	N/A	N/A	N/A
Man Lift	60.7	53.7	N/A	N/A	N/A	N/A	N/A
Generator	68.6	65.6	N/A	N/A	N/A	N/A	N/A
Backhoe	64.7	60.7	N/A	N/A	N/A	N/A	N/A
Front End Loader	65.1	61.2	N/A	N/A	N/A	N/A	N/A
Welder / Torch	62	58	N/A	N/A	N/A	N/A	N/A
Welder / Torch	61.1	57.2	N/A	N/A	N/A	N/A	N/A
Welder / Torch	60	56	N/A	N/A	N/A	N/A	N/A
Total	68.6	69.7	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			
Typical	Residential	65	60	55			
		Equipment					
Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated	
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Crane	No	16		80.6	220	0	
Man Lift	No	20		74.7	220	0	
Man Lift	No	20		74.7	220	0	
Generator	No	50		80.6	220	0	
Backhoe	No	40		77.6	220	0	
Front End Loader	No	40		79.1	220	0	
Welder / Torch	No	40		74	220	0	
Welder / Torch	No	40		74	220	0	
Welder / Torch	No	40		74	220	0	
		Results					
Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Crane	67.7	59.7	N/A	N/A	N/A	N/A	N/A
Man Lift	61.8	54.8	N/A	N/A	N/A	N/A	N/A
Man Lift	61.8	54.8	N/A	N/A	N/A	N/A	N/A
Generator	67.8	64.8	N/A	N/A	N/A	N/A	N/A
Backhoe	64.7	60.7	N/A	N/A	N/A	N/A	N/A
Front End Loader	66.2	62.3	N/A	N/A	N/A	N/A	N/A
Welder / Torch	61.1	57.2	N/A	N/A	N/A	N/A	N/A
Welder / Torch	61.1	57.2	N/A	N/A	N/A	N/A	N/A
Welder / Torch	61.1	57.2	N/A	N/A	N/A	N/A	N/A
Total	67.8	69.5	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: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 3 Site Prep New Auditorium

		---- Receptor #1 ----			
Description	Land Use	Baselines (dBA)			
		Daytime	Evening	Night	
Nearest	Residential	65	60	55	
		Equipment			
		Spec	Actual	Receptor	Estimated

Description	Impact		Lmax	Lmax	Distance	Shielding	
	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)	
Grader	No	40	85		230	0	
Dozer	No	40		81.7	250	0	
Tractor	No	40	84		300	0	
Results							
	Calculated (dBA)		Noise Limits (dBA)				
			Day		Evening	Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	76.3	69.3	N/A	N/A	N/A	N/A	N/A
Dozer	67.7	63.7	N/A	N/A	N/A	N/A	N/A
Tractor	62	58	N/A	N/A	N/A	N/A	N/A
Total	76.3	71	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.							

---- Receptor #2 ----				
Baselines (dBA)				
Description	Land Use	Daytime	Evening	Night
Typical	Residential	65	60	55

Description	Impact		Equipment				
			Spec	Actual	Receptor	Estimated	
	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Grader	No	40	85		450	0	
Dozer	No	40		81.7	450	0	
Tractor	No	40	84		450	0	
Results							
Calculated (dBA)			Noise Limits (dBA)				
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	65.9	61.9	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
Tractor	64.9	60.9	N/A	N/A	N/A	N/A	N/A
Total	65.9	65.5	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: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 4 Trenching New Auditorium

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

Nearest	Residential	65	60	55			
				Equipment			
		Impact		Spec	Actual	Receptor	Estimated
Description	Device	Usage(%)	(dBA)	Lmax	Lmax	Distance	Shielding
				(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40		85		230	0
Dozer	No	40			81.7	250	0
Tractor	No	40		84		300	0
				Results			
Calculated (dBA)				Noise Limits (dBA)			
				Day	Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	71.7	67.8	N/A	N/A	N/A	N/A	N/A
Dozer	67.7	63.7	N/A	N/A	N/A	N/A	N/A
Tractor	68.4	64.5	N/A	N/A	N/A	N/A	N/A
Total	71.7	70.5	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.							

		---- Receptor #2 ----						
		Baselines (dBA)						
Description	Land Use	Daytime	Evening	Night				
Typical	Residential	65	60	55				
		Equipment						
		Impact		Spec	Actual	Receptor	Estimated	
Description		Device	Usage(%)	Lmax	Lmax	Distance	Shielding	
				(dBA)	(dBA)	(feet)	(dBA)	
Grader		No	40	85		450	0	
Dozer		No	40		81.7	450	0	
Tractor		No	40	84		450	0	
		Results						
		Calculated (dBA)			Noise Limits (dBA)			
				Day	Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader		65.9	61.9	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
Tractor		64.9	60.9	N/A	N/A	N/A	N/A	N/A
	Total	65.9	65.5	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: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 5 Grading New Auditorium

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)						
		Daytime	Evening	Night				
Nearest	Residential	65	60	55				
Description		Equipment			Receptor Distance (feet)	Estimated Shielding (dBA)		
		Impact Device	Usage(%)	Spec Lmax (dBA)				
				Actual Lmax (dBA)				
Grader		No	40	85	230	0		
Dozer		No	40		81.7	250	0	
Tractor		No	40	84	300	0		
Concrete Saw		No	20		89.6	230	0	
Results								
Equipment		Calculated (dBA)		Noise Limits (dBA)				
		*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Grader		71.7	67.8	N/A	N/A	N/A	N/A	N/A
Dozer		67.7	63.7	N/A	N/A	N/A	N/A	N/A
Tractor		68.4	64.5	N/A	N/A	N/A	N/A	N/A
Concrete Saw		76.3	69.3	N/A	N/A	N/A	N/A	N/A
	Total	76.3	72.9	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				
Typical	Residential	65	60	55				
Equipment								
		Impact		Spec	Actual	Receptor	Estimated	
		Device	Usage(%)	Lmax	Lmax	Distance	Shielding	
Description				(dBA)	(dBA)	(feet)	(dBA)	
Grader		No	40	85		450	0	
Dozer		No	40		81.7	450	0	
Tractor		No	40	84		450	0	
Concrete Saw		No	20		89.6	450	0	
Results								
		Calculated (dBA)			Noise Limits (dBA)			
				Day		Evening	Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader		65.9	61.9	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
Tractor		64.9	60.9	N/A	N/A	N/A	N/A	N/A

Concrete Saw		70.5	63.5	N/A	N/A	N/A	N/A	N/A
Total		70.5	67.6	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: 1/25/2018

Case Description: JAMS Performing Arts Center Ph 6 Remod Bldg J Arch Coatings

		---- Receptor #1 ----						
Description	Land Use	Baselines (dBA)						
		Daytime	Evening	Night				
Nearest	Residential	65	60	55				
Description		Equipment						
				Spec	Actual	Receptor	Estimated	
		Impact		Lmax	Lmax	Distance	Shielding	
		Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)	
Compressor (air)		No	40		77.7	200	0	
Equipment		Results						
		Calculated (dBA)			Noise Limits (dBA)			
				Day		Evening		Night
		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Compressor (air)		65.6	61.6	N/A	N/A	N/A	N/A	N/A
Total		65.6	61.6	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.								

*Calculated Lmax is the Loudest value.

		---- Receptor #2 ----							
Description	Land Use	Baselines (dBA)							
		Daytime	Evening	Night					
Typical	Residential	65	60	55					
		Equipment							
Description		Impact	Device	Usage(%)	Spec	Actual	Receptor	Estimated	
					Lmax	Lmax	Distance	Shielding	
Compressor (air)		No		40	(dBA)	(dBA)	(feet)	(dBA)	
						77.7	220	0	
		Results							
		Calculated (dBA)			Noise Limits (dBA)				
		*Lmax	Leq		Day		Evening		Night
Equipment					Lmax	Leq	Lmax	Leq	Lmax
Compressor (air)					64.8	60.8	N/A	N/A	N/A
	Total				64.8	60.8	N/A	N/A	N/A
		*Calculated Lmax is the Loudest value.							

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/25/2018

Case Description: JAMS Performing Arts Center Ph 7 Bldg Const New Auditorium

---- Receptor #1 ----

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

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	230	0
Man Lift	No	20		74.7	250	0
Man Lift	No	20		74.7	280	0
Generator	No	50		80.6	280	0
Backhoe	No	40		77.6	300	0
Front End Loader	No	40		79.1	250	0
Welder / Torch	No	40		74	230	0
Welder / Torch	No	40		74	300	0
Welder / Torch	No	40		74	280	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day	Leq	Evening		Night
					Lmax	Leq	Lmax
Crane	67.3	59.3	N/A	N/A	N/A	N/A	N/A
Man Lift	60.7	53.7	N/A	N/A	N/A	N/A	N/A
Man Lift	59.7	52.7	N/A	N/A	N/A	N/A	N/A
Generator	65.7	62.7	N/A	N/A	N/A	N/A	N/A
Backhoe	62	58	N/A	N/A	N/A	N/A	N/A
Front End Loader	65.1	61.2	N/A	N/A	N/A	N/A	N/A
Welder / Torch	60.7	56.8	N/A	N/A	N/A	N/A	N/A
Welder / Torch	58.4	54.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	59	55.1	N/A	N/A	N/A	N/A	N/A
Total	67.3	67.9	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
Typical	Residential	65	60	55

Equipment			
Spec	Actual	Receptor	Estimated

Description	Impact Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Crane	No	16		80.6	450	0
Man Lift	No	20		74.7	450	0
Man Lift	No	20		74.7	450	0
Generator	No	50		80.6	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
Welder / Torch	No	40		74	450	0
Welder / Torch	No	40		74	450	0

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Crane	61.5	53.5	N/A	N/A	N/A	N/A	N/A
Man Lift	55.6	48.6	N/A	N/A	N/A	N/A	N/A
Man Lift	55.6	48.6	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
Backhoe	58.5	54.5	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
Welder / Torch	54.9	50.9	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
Welder / Torch	54.9	50.9	N/A	N/A	N/A	N/A	N/A
Total	61.5	63.3	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: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 8 Site Prep Rehearsal Rms

		----- Receptor #1 -----					
		Baselines (dBA)					
Description	Land Use	Daytime	Evening	Night			
Nearest	Residential	65	60	55			
		Equipment					
		Impact	Spec	Actual	Receptor	Estimated	
		Device	Usage(%)	Lmax	Lmax	Distance	Shielding
Description				(dBA)	(dBA)	(feet)	(dBA)
Grader		No	40		85	430	0
Dozer		No		40		81.7	450
Tractor		No	40		84	450	0

Results

Equipment		Calculated (dBA)		Noise Limits (dBA)			
		*Lmax	Leq	Day	Evening		Night
				Lmax	Leq	Lmax	Lmax
Grader		66.3	62.3	N/A	N/A	N/A	N/A
Dozer		62.6	58.6	N/A	N/A	N/A	N/A
Tractor		64.9	60.9	N/A	N/A	N/A	N/A
	Total	66.3	65.7	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.							

---- Receptor #2 ----				
Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical	Residential	65	60	55

Description		Equipment				
		Impact	Usage(%)	Spec	Actual	Receptor
				Lmax	Lmax	Distance
Grader		No	40	85		470
Dozer		No	40		81.7	470
Tractor		No	40	84		470

Results							
Equipment		Calculated (dBA)		Noise Limits (dBA)			
		*Lmax	Leq	Day	Evening		Night
				Lmax	Leq	Lmax	Lmax
Grader		65.5	61.6	N/A	N/A	N/A	N/A
Dozer		62.2	58.2	N/A	N/A	N/A	N/A
Tractor		64.5	60.6	N/A	N/A	N/A	N/A
	Total	65.5	65.1	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.							

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 9 Trenching Rehearsal Rms

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

Description		Equipment				
		Impact	Usage(%)	Spec	Actual	Receptor
				Lmax	Lmax	Distance
Grader		No	40	85		430

Dozer	No	40	81.7	450	0
Tractor	No	40	84	450	0

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	66.3	62.3	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
Tractor	64.9	60.9	N/A	N/A	N/A	N/A	N/A
Total	66.3	65.7	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.							

---- Receptor #2 ----				
Baselines (dBA)				
Description	Land Use	Daytime	Evening	Night
Typical	Residential	65	60	55

Equipment						
		Spec	Actual	Receptor	Estimated	
Impact		Lmax	Lmax	Distance	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40	85	470	0	
Dozer	No	40	81.7	470	0	
Tractor	No	40	84	470	0	

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	65.5	61.6	N/A	N/A	N/A	N/A	N/A
Dozer	62.2	58.2	N/A	N/A	N/A	N/A	N/A
Tractor	64.5	60.6	N/A	N/A	N/A	N/A	N/A
Total	65.5	65.1	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: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 10 Grading Rehearsal Rms

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

Equipment

Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Grader	No	40	85		430	0
Dozer	No	40		81.7	450	0
Tractor	No	40	84		450	0
Concrete Saw	No	20		89.6	430	0
Front End Loader	No	40		79.1	450	0

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	66.3	62.3	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
Tractor	64.9	60.9	N/A	N/A	N/A	N/A	N/A
Concrete Saw	70.9	63.9	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
Total	70.9	68.2	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

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

Equipment						
Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Grader	No	40	85		470	0
Dozer	No	40		81.7	470	0
Tractor	No	40	84		470	0
Concrete Saw	No	20		89.6	470	0
Front End Loader	No	40		79.1	470	0

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	65.5	61.6	N/A	N/A	N/A	N/A	N/A
Dozer	62.2	58.2	N/A	N/A	N/A	N/A	N/A
Tractor	64.5	60.6	N/A	N/A	N/A	N/A	N/A
Concrete Saw	70.1	63.1	N/A	N/A	N/A	N/A	N/A
Front End Loader	59.6	55.7	N/A	N/A	N/A	N/A	N/A
Total	70.1	67.5	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: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 11 Bldg Const Rehearsal Rms

---- Receptor #1 ----

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

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	430	0
Man Lift	No	20		74.7	450	0
Man Lift	No	20		74.7	480	0
Generator	No	50		80.6	430	0
Backhoe	No	40		77.6	450	0
Front End Loader	No	40		79.1	450	0
Welder / Torch	No	40		74	430	0
Welder / Torch	No	40		74	450	0
Welder / Torch	No	40		74	480	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day	Leq	Evening		Night
			Lmax		Lmax	Leq	Lmax
Crane	61.9	53.9	N/A	N/A	N/A	N/A	N/A
Man Lift	55.6	48.6	N/A	N/A	N/A	N/A	N/A
Man Lift	55.1	48.1	N/A	N/A	N/A	N/A	N/A
Generator	61.9	58.9	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
Front End Loader	60	56	N/A	N/A	N/A	N/A	N/A
Welder / Torch	55.3	51.3	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
Welder / Torch	54.4	50.4	N/A	N/A	N/A	N/A	N/A
Total	61.9	63.5	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
Typical	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Crane	No	16		80.6	450	0
Man Lift	No	20		74.7	450	0
Man Lift	No	20		74.7	450	0
Generator	No	50		80.6	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
Welder / Torch	No	40		74	450	0
Welder / Torch	No	40		74	450	0

Equipment	Results						
	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day	Leq	Evening		Night
			Lmax		Lmax	Leq	Lmax
Crane	61.5	53.5	N/A	N/A	N/A	N/A	N/A
Man Lift	55.6	48.6	N/A	N/A	N/A	N/A	N/A
Man Lift	55.6	48.6	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
Backhoe	58.5	54.5	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
Welder / Torch	54.9	50.9	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
Welder / Torch	54.9	50.9	N/A	N/A	N/A	N/A	N/A
Total	61.5	63.3	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: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 12 New Auditorium Arch Coatings

---- Receptor #1 ----						
Description	Land Use	Baselines (dBA)			Equipment	Estimated
		Daytime	Evening	Night		
Nearest	Residential	65	60	55		
Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Compressor (air)	No	40		77.7	230	0

Results
Calculated (dBA) Noise Limits (dBA)

Equipment		Day		Evening		Night	
		*Lmax	Leq	Lmax	Leq	Lmax	Lmax
Compressor (air)		64.4	60.4	N/A	N/A	N/A	N/A
	Total	64.4	60.4	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----						
Baselines (dBA)						
Description	Land Use	Daytime	Evening	Night		
Typical	Residential	65	60	55		

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

Results						
Calculated (dBA)			Noise Limits (dBA)			
Equipment		Day		Evening		Night
		*Lmax	Leq	Lmax	Leq	
Compressor (air)		58.6	54.6	N/A	N/A	N/A
	Total	58.6	54.6	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 13 Demo Music Bldg

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

Description		Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
		Impact Device	Usage(%)		
Concrete Saw		No	20	89.6	72
Dozer		No	40	81.7	80
Backhoe		No	40	77.6	90
Front End Loader		No	40	79.1	75

Results						
Calculated (dBA)			Noise Limits (dBA)			
Equipment		Day		Evening		Night
		*Lmax	Leq	Lmax	Leq	

Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Concrete Saw		86.4	79.4	N/A	N/A	N/A	N/A	N/A
Dozer		77.6	73.6	N/A	N/A	N/A	N/A	N/A
Backhoe		72.5	68.5	N/A	N/A	N/A	N/A	N/A
Front End Loader		75.6	71.6	N/A	N/A	N/A	N/A	N/A
Total		86.4	81.2	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

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

		Equipment				
		Impact	Spec	Actual	Receptor	Estimated
Description	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Concrete Saw	No	20		89.6	117	0
Dozer	No	40		81.7	117	0
Backhoe	No	40		77.6	117	0
Front End Loader	No	40		79.1	117	0

Results

		Calculated (dBA)		Noise Limits (dBA)			
				Day	Evening	Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Lmax
Concrete Saw		82.2	75.2	N/A	N/A	N/A	N/A
Dozer		74.3	70.3	N/A	N/A	N/A	N/A
Backhoe		70.2	66.2	N/A	N/A	N/A	N/A
Front End Loader		71.7	67.7	N/A	N/A	N/A	N/A
Total		82.2	77.3	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 14 Rehrs Rms Arch Coatings

---- Receptor #1 ----

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

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

Compressor (air)	No	40	77.7	430	0	
Results						
Calculated (dBA)			Noise Limits (dBA)			
			Day	Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		59	55	N/A	N/A	N/A
Total		59	55	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.						

---- Receptor #2 ----				
Baselines (dBA)				
Description	Land Use	Daytime	Evening	Night
Typical	Residential	65	60	55

Equipment						
		Spec	Actual	Receptor	Estimated	
Impact		Lmax	Lmax	Distance	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40	77.7	470	0	

Results						
Calculated (dBA)			Noise Limits (dBA)			
			Day	Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		58.2	54.2	N/A	N/A	N/A
Total		58.2	54.2	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.						

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 15 Site Prep Music Bldg

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

Equipment						
		Spec	Actual	Receptor	Estimated	
Impact		Lmax	Lmax	Distance	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40	85	72	0	
Dozer	No	40	81.7	80	0	
Tractor	No	40	84	90	0	

				Results				
				Calculated (dBA)		Noise Limits (dBA)		
						Day	Evening	Night
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader		81.8	77.9	N/A	N/A	N/A	N/A	N/A
Dozer		77.6	73.6	N/A	N/A	N/A	N/A	N/A
Tractor		78.9	74.9	N/A	N/A	N/A	N/A	N/A
	Total	81.8	80.6	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.								

		---- Receptor #2 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Typical	Residential	65	60	55

		Equipment				
		Spec	Actual	Receptor	Estimated	
		Lmax	Lmax	Distance	Shielding	
Description	Impact Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40	85	117	0	
Dozer	No	40	81.7	117	0	
Tractor	No	40	84	117	0	

			Results					
			Calculated (dBA)		Noise Limits (dBA)			
					Day	Evening		Night
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader		77.6	73.6	N/A	N/A	N/A	N/A	N/A
Dozer		74.3	70.3	N/A	N/A	N/A	N/A	N/A
Tractor		76.6	72.6	N/A	N/A	N/A	N/A	N/A
	Total	77.6	77.2	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: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 16 Trenching Music Bldg

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

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

Grader	No	40	85	72	0
Dozer	No	40	81.7	80	0
Tractor	No	40	84	90	0

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	81.8	77.9	N/A	N/A	N/A	N/A	N/A
Dozer	77.6	73.6	N/A	N/A	N/A	N/A	N/A
Tractor	78.9	74.9	N/A	N/A	N/A	N/A	N/A
Total	81.8	80.6	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.							

---- Receptor #2 ----				
Baselines (dBA)				
Description	Land Use	Daytime	Evening	Night
Typical	Residential	65	60	55

Equipment						
		Spec	Actual	Receptor	Estimated	
Impact		Lmax	Lmax	Distance	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40	85	117	0	
Dozer	No	40	81.7	117	0	
Tractor	No	40	84	117	0	

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	77.6	73.6	N/A	N/A	N/A	N/A	N/A
Dozer	74.3	70.3	N/A	N/A	N/A	N/A	N/A
Tractor	76.6	72.6	N/A	N/A	N/A	N/A	N/A
Total	77.6	77.2	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: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 17 Grading Music Bldg

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

Description			Equipment		Receptor Distance (feet)	Estimated	
	Impact Device	Usage(%)	Spec	Actual		Shielding	(dBA)
			Lmax (dBA)	Lmax (dBA)			
Grader	No	40		85		72	0
Dozer	No	40			81.7	80	0
Tractor	No	40		84		90	0
Concrete Saw	No	20			89.6	80	0
Front End Loader	No	40			79.1	90	0
Results							
Calculated (dBA)			Noise Limits (dBA)				
Equipment	*Lmax	Leq	Day		Evening		Night
			Lmax	Leq	Lmax	Leq	Lmax
Grader	81.8	77.9	N/A	N/A	N/A	N/A	N/A
Dozer	77.6	73.6	N/A	N/A	N/A	N/A	N/A
Tractor	78.9	74.9	N/A	N/A	N/A	N/A	N/A
Concrete Saw	85.5	78.5	N/A	N/A	N/A	N/A	N/A
Front End Loader	74	70	N/A	N/A	N/A	N/A	N/A
Total	85.5	82.9	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.							

---- Receptor #2 ----

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

Description			Equipment		Receptor Distance (feet)	Estimated	
	Impact Device	Usage(%)	Spec	Actual		Shielding	(dBA)
			Lmax (dBA)	Lmax (dBA)			
Grader	No	40		85		117	0
Dozer	No	40			81.7	117	0
Tractor	No	40		84		117	0
Concrete Saw	No	20			89.6	117	0
Front End Loader	No	40			79.1	117	0
Results							
Calculated (dBA)			Noise Limits (dBA)				
Equipment	*Lmax	Leq	Day		Evening		Night
			Lmax	Leq	Lmax	Leq	Lmax
Grader	77.6	73.6	N/A	N/A	N/A	N/A	N/A
Dozer	74.3	70.3	N/A	N/A	N/A	N/A	N/A
Tractor	76.6	72.6	N/A	N/A	N/A	N/A	N/A
Concrete Saw	82.2	75.2	N/A	N/A	N/A	N/A	N/A
Front End Loader	71.7	67.7	N/A	N/A	N/A	N/A	N/A
Total	82.2	79.6	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: 1/25/2018

Case Description: JAMS Performing Arts Center Ph 18 Bldg Const Music Bldg

---- Receptor #1 ----

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

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	72	0
Man Lift	No	20		74.7	80	0
Man Lift	No	20		74.7	90	0
Generator	No	50		80.6	72	0
Backhoe	No	40		77.6	80	0
Front End Loader	No	40		79.1	90	0
Welder / Torch	No	40		74	100	0
Welder / Torch	No	40		74	75	0
Welder / Torch	No	40		74	120	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Crane	77.4	69.4	N/A	N/A	N/A	N/A	N/A
Man Lift	70.6	63.6	N/A	N/A	N/A	N/A	N/A
Man Lift	69.6	62.6	N/A	N/A	N/A	N/A	N/A
Generator	77.5	74.5	N/A	N/A	N/A	N/A	N/A
Backhoe	73.5	69.5	N/A	N/A	N/A	N/A	N/A
Front End Loader	74	70	N/A	N/A	N/A	N/A	N/A
Welder / Torch	68	64	N/A	N/A	N/A	N/A	N/A
Welder / Torch	70.5	66.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	66.4	62.4	N/A	N/A	N/A	N/A	N/A
Total	77.5	78.4	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
Typical	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Crane	No	16		80.6	117	0
Man Lift	No	20		74.7	117	0
Man Lift	No	20		74.7	117	0
Generator	No	50		80.6	117	0
Backhoe	No	40		77.6	117	0
Front End Loader	No	40		79.1	117	0
Welder / Torch	No	40		74	117	0
Welder / Torch	No	40		74	117	0
Welder / Torch	No	40		74	117	0

Equipment	Results						
	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day	Leq	Evening		Night
			Lmax		Lmax	Leq	Lmax
Crane	73.2	65.2	N/A	N/A	N/A	N/A	N/A
Man Lift	67.3	60.3	N/A	N/A	N/A	N/A	N/A
Man Lift	67.3	60.3	N/A	N/A	N/A	N/A	N/A
Generator	73.2	70.2	N/A	N/A	N/A	N/A	N/A
Backhoe	70.2	66.2	N/A	N/A	N/A	N/A	N/A
Front End Loader	71.7	67.7	N/A	N/A	N/A	N/A	N/A
Welder / Torch	66.6	62.6	N/A	N/A	N/A	N/A	N/A
Welder / Torch	66.6	62.6	N/A	N/A	N/A	N/A	N/A
Welder / Torch	66.6	62.6	N/A	N/A	N/A	N/A	N/A
Total	73.2	75	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: 1/25/2018
Case Description: JAMS Performing Arts Center Ph 19 Arch Coatings Music Rms

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

Description	Impact Device	Usage(%)	Equipment			
			Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Compressor (air)	No	40		77.7	72	0

Results

INPUT: ROADWAYS
10504

Dudek											
MG											
INPUT: ROADWAYS								Average pavement type shall be used unless			
PROJECT/CONTRACT:				10504				a State highway agency substantiates the use			
RUN:				JAMS Perf Arts Center Existing				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	%		
Pearl St w of 14 St.	45.0	point47	47	1,811.1	1,885.1	140.00				Average	
		point49	49	2,307.4	2,239.2	140.00					
Pico Blvd. w of 14th St	60.0	point80	80	454.9	2,570.0	140.00				Average	
		point55	55	973.9	2,913.7	140.00				Average	
		point56	56	1,472.0	3,236.5	140.00					
Ocean Park Blvd	55.0	point82	82	2,689.2	864.5	140.00				Average	
		point62	62	3,174.1	1,206.2	140.00				Average	
		point63	63	3,675.6	1,578.1	140.00				Average	
		point64	64	4,185.3	1,939.1	140.00				Average	
		point65	65	4,706.1	2,297.3	140.00				Average	
		point66	66	5,155.2	2,614.1	140.00				Average	
		point67	67	6,038.7	3,239.6	140.00					
17th St.	35.0	point84	84	1,766.6	4,554.6	140.00				Average	
		point76	76	2,403.1	3,890.5	140.00					
16th St s of Pico Blvd.	35.0	point87	87	1,995.0	3,558.7	140.00				Average	
		point118	118	2,398.5	3,080.9	140.00					
17th St. s of Pearl St	25.0	point89	89	3,335.0	2,944.9	140.00				Average	
		point73	73	4,171.6	1,948.6	140.00					
14th St s of Pico Blvd.	35.0	point91	91	1,486.2	3,229.8	140.00				Average	
		point78	78	2,296.3	2,251.6	140.00					
Pico Blvd. w. of 16th St.	60.0	point92	92	1,472.0	3,236.5	140.00				Average	
		point57	57	1,991.0	3,581.9	140.00					
16th St s of Pearl St.	35.0	point94	94	2,813.7	2,588.7	140.00				Average	
		point70	70	3,657.5	1,583.6	140.00					
16th St s of Ocean Park Blvd	35.0	point95	95	3,671.8	1,565.5	140.00				Average	

INPUT: ROADWAYS**10504**

		point71	71	4,136.6	1,014.2	140.00					
14th St s of Pearl St	35.0	point96	96	2,311.2	2,232.8	140.00				Average	
		point48	48	3,179.8	1,219.4	140.00					
Pearl St e of 14 St.	45.0	point97	97	2,307.4	2,239.2	140.00				Average	
		point50	50	2,796.9	2,586.3	140.00					
Pearl St e of 16 St.	45.0	point98	98	2,796.9	2,586.3	140.00				Average	
		point51	51	3,324.6	2,954.3	140.00					
17h St s of Ocean Park Blvd	35.0	point99	99	4,187.2	1,929.2	140.00				Average	
		point74	74	4,963.1	1,014.8	140.00					
Pearl St e of 17 St.	45.0	point106	106	3,324.6	2,954.3	140.00				Average	
		point52	52	4,098.7	3,499.3	140.00				Average	
		point53	53	4,945.8	4,103.3	140.00					
16th St n of Pearl St	35.0	point119	119	2,398.5	3,080.9	140.00				Average	
		point69	69	2,802.0	2,603.0	140.00					
Pico Blvd. e. of 16th St.	60.0	point120	120	1,991.0	3,581.9	140.00				Average	
		point58	58	2,415.3	3,860.2	140.00				Average	
		point59	59	3,239.2	4,392.0	140.00				Average	
		point60	60	3,794.6	4,725.3	140.00					

INPUT: TRAFFIC FOR LAeq1h Percentages
10504

Dudek													
MG													
INPUT: TRAFFIC FOR LAeq1h Percentages													
PROJECT/CONTRACT:	10504												
RUN:	JAMS Perf Arts Center 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
Pearl St w of 14 St.	point47	47	273	97	25	2	25	1	25	0	0	0	0
	point49	49											
Pico Blvd. w of 14th St	point80	80	0	97	35	2	35	1	35	0	0	0	0
	point55	55	0	97	35	2	35	1	35	0	0	0	0
	point56	56											
Ocean Park Blvd	point82	82	1366	97	35	2	35	1	35	0	0	0	0
	point62	62	1366	97	35	2	35	1	35	0	0	0	0
	point63	63	1366	97	35	2	35	1	35	0	0	0	0
	point64	64	1366	97	35	2	35	1	35	0	0	0	0
	point65	65	1366	97	35	2	35	1	35	0	0	0	0
	point66	66	1366	97	35	2	35	1	35	0	0	0	0
	point67	67											
17th St.	point84	84	563	97	25	2	25	1	25	0	0	0	0
	point76	76											
16th St s of Pico Blvd.	point87	87	611	97	25	2	25	1	25	0	0	0	0
	point118	118											
17th St. s of Pearl St	point89	89	235	97	25	2	25	1	25	0	0	0	0
	point73	73											
14th St s of Pico Blvd.	point91	91	0	97	25	2	25	1	25	0	0	0	0
	point78	78											
Pico Blvd. w. of 16th St.	point92	92	1525	97	35	2	35	1	35	0	0	0	0
	point57	57											
16th St s of Pearl St.	point94	94	408	97	25	2	25	1	25	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Percentages
10504

	point70	70											
16th St s of Ocean Park Blvd	point95	95	216	97	25	2	25	1	25	0	0	0	0
	point71	71											
14th St s of Pearl St	point96	96	0	97	25	2	25	1	25	0	0	0	0
	point48	48											
Pearl St e of 14 St.	point97	97	273	97	25	2	25	1	25	0	0	0	0
	point50	50											
Pearl St e of 16 St.	point98	98	513	97	25	2	25	1	25	0	0	0	0
	point51	51											
17h St s of Ocean Park Blvd	point99	99	360	97	25	2	25	1	25	0	0	0	0
	point74	74											
Pearl St e of 17 St.	point106	106	507	97	25	2	25	1	25	0	0	0	0
	point52	52	507	97	25	2	25	1	25	0	0	0	0
	point53	53											
16th St n of Pearl St	point119	119	517	97	25	2	25	1	25	0	0	0	0
	point69	69											
Pico Blvd. e. of 16th St.	point120	120	2052	97	35	2	35	1	35	0	0	0	0
	point58	58	2052	97	35	2	35	1	35	0	0	0	0
	point59	59	2052	97	35	2	35	1	35	0	0	0	0
	point60	60											

INPUT: TRAFFIC FOR LAeq1h Percentages

10504

Dudek													
MG													
INPUT: TRAFFIC FOR LAeq1h Percentages													
PROJECT/CONTRACT:	10504												
RUN:	JAMS Perf Arts Center Existing												
Roadway	Points												
Name	Name	No.	Segment										
			Total	User 1		User 2		User 3		User 4		<unknown>	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Pearl St w of 14 St.	point47	47	273										
	point49	49											
Pico Blvd. w of 14th St	point80	80	0										
	point55	55	0										
	point56	56											
Ocean Park Blvd	point82	82	1366										
	point62	62	1366										
	point63	63	1366										
	point64	64	1366										
	point65	65	1366										
	point66	66	1366										
	point67	67											
17th St.	point84	84	563										
	point76	76											
16th St s of Pico Blvd.	point87	87	611										
	point118	118											
17th St. s of Pearl St	point89	89	235										
	point73	73											
14th St s of Pico Blvd.	point91	91	0										
	point78	78											
Pico Blvd. w. of 16th St.	point92	92	1525										
	point57	57											
16th St s of Pearl St.	point94	94	408										

INPUT: TRAFFIC FOR LAeq1h Percentages**10504**

	point70	70											
16th St s of Ocean Park Blvd	point95	95	216										
	point71	71											
14th St s of Pearl St	point96	96	0										
	point48	48											
Pearl St e of 14 St.	point97	97	273										
	point50	50											
Pearl St e of 16 St.	point98	98	513										
	point51	51											
17h St s of Ocean Park Blvd	point99	99	360										
	point74	74											
Pearl St e of 17 St.	point106	106	507										
	point52	52	507										
	point53	53											
16th St n of Pearl St	point119	119	517										
	point69	69											
Pico Blvd. e. of 16th St.	point120	120	2052										
	point58	58	2052										
	point59	59	2052										
	point60	60											

INPUT: RECEIVERS
10504

Dudek						9 February 2018					
MG						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		10504									
RUN:		JAMS Perf Arts Center Existing									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	11	1	3,127.6	2,590.9	140.00	5.00	0.00	66	10.0	8.0	Y
ST2	12	1	3,085.6	2,753.0	140.00	5.00	0.00	66	10.0	8.0	Y
ST3	13	1	3,364.8	2,952.0	140.00	5.00	0.00	66	10.0	8.0	Y
ST4	14	1	3,467.5	2,808.7	140.00	5.00	0.00	66	10.0	8.0	Y
M1	15	1	2,316.4	4,042.2	140.00	5.00	0.00	66	10.0	8.0	Y
M2	16	1	3,104.0	4,359.6	140.00	5.00	0.00	66	10.0	8.0	Y
M3	17	1	2,277.1	3,316.3	140.00	5.00	0.00	66	10.0	8.0	Y
M4	18	1	2,699.5	2,655.9	140.00	5.00	0.00	66	10.0	8.0	Y
M5	19	1	2,676.7	2,434.7	140.00	5.00	0.00	66	10.0	8.0	Y
M6	21	1	2,985.5	2,289.0	140.00	5.00	0.00	66	10.0	8.0	Y
M7	23	1	3,540.2	3,266.6	140.00	5.00	0.00	66	10.0	8.0	Y
M8	25	1	3,582.3	1,445.4	140.00	5.00	0.00	66	10.0	8.0	Y
M9	26	1	3,812.5	1,315.6	140.00	5.00	0.00	66	10.0	8.0	Y
M10	27	1	4,466.1	1,680.8	140.00	5.00	0.00	66	10.0	8.0	Y

INPUT: BARRIERS

10504

Dudek																			
MG																			
INPUT: BARRIERS																			
PROJECT/CONTRACT:	10504																		
RUN:	JAMS Perf Arts Center Existing																		
Barrier																			
Name	Type	Height		If Wall	If Berm			Add'tnl	Points										
		Min	Max	\$ per Unit	\$ per Unit	Top Width	Run:Rise	\$ per Unit	Name	No.	Coordinates (bottom)		Height at Point	Segment					
				Area	Vol.			Length			X	Y	Z		Seg Ht	Perturbs	On	Important	
		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	point150	150	2,957.2	3,081.1	140.00	20.00	0.00	0	0		
									point152	152	3,097.8	3,173.1	140.00	20.00	0.00	0	0		
									point153	153	2,983.3	3,338.0	140.00	20.00	0.00	0	0		
									point154	154	2,835.7	3,233.9	140.00	20.00	0.00	0	0		
									point155	155	3,101.3	2,883.3	140.00	20.00	0.00	0	0		
									point156	156	3,248.8	2,982.2	140.00	20.00	0.00	0	0		
									point157	157	3,134.3	3,173.1	140.00	20.00	0.00	0	0		
									point158	158	2,972.8	3,063.7	140.00	20.00					
Barrier2	W	0.00	99.99	0.00				0.00	point251	251	2,523.8	3,744.4	140.00	20.00	0.00	0	0		
									point172	172	2,808.1	3,941.3	140.00	20.00	0.00	0	0		
									point173	173	2,875.9	3,853.8	140.00	20.00	0.00	0	0		
									point174	174	2,593.8	3,659.2	140.00	20.00					
Barrier3	W	0.00	99.99	0.00				0.00	point253	253	2,090.8	3,374.9	140.00	20.00	0.00	0	0		
									point169	169	1,974.9	3,523.6	140.00	20.00	0.00	0	0		
									point170	170	1,537.5	3,224.0	140.00	20.00					
Barrier4	W	0.00	99.99	0.00				0.00	point255	255	2,305.1	3,127.7	140.00	20.00	0.00	0	0		
									point166	166	2,176.1	3,309.3	140.00	20.00	0.00	0	0		
									point167	167	1,743.1	2,987.8	140.00	20.00					
Barrier5	W	0.00	99.99	0.00				0.00	point257	257	2,508.5	2,880.6	140.00	20.00	0.00	0	0		
									point163	163	2,368.5	3,053.4	140.00	20.00	0.00	0	0		
									point164	164	1,950.8	2,762.5	140.00	20.00					
Barrier6	W	0.00	99.99	0.00				0.00	point259	259	2,716.3	2,629.1	140.00	20.00	0.00	0	0		
									point160	160	2,571.9	2,810.6	140.00	20.00	0.00	0	0		
									point161	161	2,160.8	2,515.4	140.00	20.00					
Barrier7	W	0.00	99.99	0.00				0.00	point260	260	3,299.4	3,038.1	140.00	20.00	0.00	0	0		
									point200	200	3,459.2	3,142.8	140.00	20.00					
Barrier8	W	0.00	99.99	0.00				0.00	point262	262	2,967.7	2,319.0	140.00	20.00	0.00	0	0		
									point247	247	2,852.0	2,476.1	140.00	20.00	0.00	0	0		
									point248	248	2,703.2	2,371.4	140.00	20.00	0.00	0	0		
									point249	249	2,683.9	2,426.5	140.00	20.00	0.00	0	0		
									point151	151	2,413.9	2,230.9	140.00	20.00					
Barrier9	W	0.00	99.99	0.00				0.00	point264	264	3,105.5	2,421.0	140.00	20.00	0.00	0	0		
									point242	242	3,044.9	2,374.1	140.00	20.00	0.00	0	0		
									point243	243	3,083.4	2,324.5	140.00	20.00	0.00	0	0		
									point244	244	3,102.7	2,354.8	140.00	20.00	0.00	0	0		

INPUT: BARRIERS

10504

									point245	245	3,168.8	2,269.4	140.00	20.00					
Barrier10	W	0.00	99.99	0.00				0.00	point266	266	3,334.2	2,123.4	140.00	20.00	0.00	0	0		
									point234	234	3,568.4	2,330.0	140.00	20.00	0.00	0	0		
									point235	235	3,505.0	2,396.2	140.00	20.00	0.00	0	0		
									point236	236	3,237.7	2,192.3	140.00	20.00	0.00	0	0		
									point237	237	3,179.9	2,252.9	140.00	20.00	0.00	0	0		
									point238	238	3,237.7	2,291.5	140.00	20.00	0.00	0	0		
									point239	239	2,970.4	2,630.8	140.00	20.00	0.00	0	0		
									point240	240	3,083.3	2,713.5	140.00	20.00					
Barrier11	W	0.00	99.99	0.00				0.00	point268	268	3,736.0	2,413.9	140.00	20.00	0.00	0	0		
									point230	230	3,499.0	2,711.5	140.00	20.00	0.00	0	0		
									point231	231	3,319.8	2,902.3	140.00	20.00	0.00	0	0		
									point232	232	3,116.5	2,739.3	140.00	20.00					
Barrier12	W	0.00	99.99	0.00				0.00	point270	270	3,404.1	2,941.7	140.00	20.00	0.00	0	0		
									point226	226	3,781.6	3,197.9	140.00	20.00	0.00	0	0		
									point227	227	3,919.4	3,002.3	140.00	20.00	0.00	0	0		
									point228	228	3,552.9	2,751.6	140.00	20.00					
Barrier13	W	0.00	99.99	0.00				0.00	point272	272	3,495.0	3,407.3	140.00	20.00	0.00	0	0		
									point221	221	3,423.4	3,335.7	140.00	20.00					
Barrier14	W	0.00	99.99	0.00				0.00	point273	273	3,351.8	4,267.0	140.00	20.00	0.00	0	0		
									point223	223	3,853.2	3,558.9	140.00	20.00	0.00	0	0		
									point224	224	4,126.0	3,751.8	140.00	20.00					
Barrier15	W	0.00	99.99	0.00				0.00	point275	275	2,046.9	4,391.6	140.00	20.00	0.00	0	0		
									point176	176	2,429.5	3,918.9	140.00	20.00	0.00	0	0		
									point177	177	2,534.2	3,982.3	140.00	20.00	0.00	0	0		
									point178	178	2,167.7	4,461.7	140.00	20.00					
Barrier16	W	0.00	99.99	0.00				0.00	point277	277	2,583.8	4,015.3	140.00	20.00	0.00	0	0		
									point180	180	2,707.8	4,095.2	140.00	20.00	0.00	0	0		
									point181	181	2,361.9	4,560.1	140.00	20.00					
Barrier17	W	0.00	99.99	0.00				0.00	point279	279	2,760.0	4,127.1	140.00	20.00	0.00	0	0		
									point183	183	2,884.9	4,210.4	140.00	20.00	0.00	0	0		
									point184	184	2,530.7	4,663.8	140.00	20.00					
Barrier18	W	0.00	99.99	0.00				0.00	point281	281	2,916.4	4,234.0	140.00	20.00	0.00	0	0		
									point186	186	3,054.2	4,324.9	140.00	20.00	0.00	0	0		
									point187	187	2,704.2	4,746.5	140.00	20.00					
Barrier19	W	0.00	99.99	0.00				0.00	point282	282	2,729.1	4,766.5	140.00	20.00	0.00	0	0		
									point188	188	3,090.0	4,363.4	140.00	20.00	0.00	0	0		
									point189	189	3,216.8	4,443.4	140.00	20.00					
Barrier20	W	0.00	99.99	0.00				0.00	point284	284	3,252.6	3,939.1	140.00	20.00	0.00	0	0		
									point191	191	3,470.2	3,738.0	140.00	20.00	0.00	0	0		
									point192	192	3,412.4	3,666.4	140.00	20.00	0.00	0	0		
									point193	193	3,475.8	3,614.0	140.00	20.00	0.00	0	0		
									point194	194	3,602.5	3,762.8	140.00	20.00					
Barrier21	W	0.00	99.99	0.00				0.00	point286	286	2,412.2	3,349.5	140.00	20.00	0.00	0	0		
									point202	202	2,503.1	3,222.7	140.00	20.00	0.00	0	0		
									point203	203	2,839.3	3,456.9	140.00	20.00	0.00	0	0		
									point204	204	2,751.1	3,592.0	140.00	20.00					
Barrier22	W	0.00	99.99	0.00				0.00	point289	289	3,021.1	3,760.0	140.00	20.00	0.00	0	0		
									point215	215	3,114.8	3,859.2	140.00	20.00	0.00	0	0		

INPUT: BARRIERS

10504

									point216	216	3,169.9	3,817.9	140.00	20.00	0.00	0	0		
									point217	217	3,065.2	3,702.2	140.00	20.00	0.00	0	0		
									point218	218	3,313.2	3,448.7	140.00	20.00	0.00	0	0		
									point219	219	3,376.6	3,514.8	140.00	20.00	0.00	0	0		
									point220	220	3,495.0	3,407.3	140.00	20.00					
Barrier23	W	0.00	99.99	0.00				0.00	point291	291	3,486.8	3,319.2	140.00	20.00	0.00	0	0		
									point196	196	3,530.9	3,266.8	140.00	20.00					
Barrier24	W	0.00	99.99	0.00				0.00	point292	292	3,169.9	3,217.2	140.00	20.00	0.00	0	0		
									point199	199	3,299.4	3,038.1	140.00	20.00					
Barrier25	W	0.00	99.99	0.00				0.00	point293	293	3,530.9	3,266.8	140.00	20.00	0.00	0	0		
									point197	197	3,676.9	3,415.6	140.00	20.00					
Barrier26	W	0.00	99.99	0.00				0.00	point295	295	2,842.0	3,583.7	140.00	20.00	0.00	0	0		
									point210	210	2,789.7	3,553.4	140.00	20.00					
Barrie27	W	0.00	99.99	0.00				0.00	point296	296	2,786.9	4,021.8	140.00	20.00	0.00	0	0		
									point212	212	2,968.8	4,121.0	140.00	20.00	0.00	0	0		
									point213	213	3,034.9	4,052.1	140.00	20.00					
Barrier28	W	0.00	99.99	0.00				0.00	point298	298	2,858.6	3,451.4	140.00	20.00	0.00	0	0		
									point206	206	3,004.6	3,534.1	140.00	20.00	0.00	0	0		
									point207	207	2,844.8	3,771.0	140.00	20.00	0.00	0	0		
									point208	208	2,756.6	3,704.9	140.00	20.00	0.00	0	0		
									point209	209	2,842.0	3,583.7	140.00	20.00					

RESULTS: SOUND LEVELS

10504

Dudek MG									9 February 2018 TNM 2.5 Calculated with TNM 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		10504											
RUN:		JAMS Perf Arts Center Existing											
BARRIER DESIGN:		INPUT HEIGHTS							Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing	Type		With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal	
				Calculated	Crit'n	Calculated	Crit'n	Impact					
							Sub'l Inc						
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST1	11	1	0.0	44.8	66	44.8	10	----	44.8	0.0	8	-8.0	
ST2	12	1	0.0	61.2	66	61.2	10	----	61.2	0.0	8	-8.0	
ST3	13	1	0.0	62.7	66	62.7	10	----	62.7	0.0	8	-8.0	
ST4	14	1	0.0	60.6	66	60.6	10	----	60.6	0.0	8	-8.0	
M1	15	1	0.0	61.4	66	61.4	10	----	61.4	0.0	8	-8.0	
M2	16	1	0.0	68.0	66	68.0	10	Snd Lvl	68.0	0.0	8	-8.0	
M3	17	1	0.0	58.8	66	58.8	10	----	58.8	0.0	8	-8.0	
M4	18	1	0.0	59.3	66	59.3	10	----	59.3	0.0	8	-8.0	
M5	19	1	0.0	55.7	66	55.7	10	----	55.7	0.0	8	-8.0	
M6	21	1	0.0	56.3	66	56.3	10	----	56.3	0.0	8	-8.0	
M7	23	1	0.0	53.1	66	53.1	10	----	53.1	0.0	8	-8.0	
M8	25	1	0.0	65.7	66	65.7	10	----	65.7	0.0	8	-8.0	
M9	26	1	0.0	57.3	66	57.3	10	----	57.3	0.0	8	-8.0	
M10	27	1	0.0	57.7	66	57.7	10	----	57.7	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		14	0.0	0.0	0.0								
All Impacted		1	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
10504

Dudek											
MG											
INPUT: ROADWAYS											
PROJECT/CONTRACT:	10504										
RUN:	JAMS Perf Arts Center Existing plus Proj										
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	%		
Pearl St w of 14 St.	45.0	point47	47	1,811.1	1,885.1	140.00				Average	
		point49	49	2,307.4	2,239.2	140.00					
Pico Blvd. w of 14th St	60.0	point80	80	454.9	2,570.0	140.00				Average	
		point55	55	973.9	2,913.7	140.00				Average	
		point56	56	1,472.0	3,236.5	140.00					
Ocean Park Blvd	55.0	point82	82	2,689.2	864.5	140.00				Average	
		point62	62	3,174.1	1,206.2	140.00				Average	
		point63	63	3,675.6	1,578.1	140.00				Average	
		point64	64	4,185.3	1,939.1	140.00				Average	
		point65	65	4,706.1	2,297.3	140.00				Average	
		point66	66	5,155.2	2,614.1	140.00				Average	
		point67	67	6,038.7	3,239.6	140.00					
17th St.	35.0	point84	84	1,766.6	4,554.6	140.00				Average	
		point76	76	2,403.1	3,890.5	140.00					
16th St s of Pico Blvd.	35.0	point87	87	1,995.0	3,558.7	140.00				Average	
		point118	118	2,398.5	3,080.9	140.00					
17th St. s of Pearl St	25.0	point89	89	3,335.0	2,944.9	140.00				Average	
		point73	73	4,171.6	1,948.6	140.00					
14th St s of Pico Blvd.	35.0	point91	91	1,486.2	3,229.8	140.00				Average	
		point78	78	2,296.3	2,251.6	140.00					
Pico Blvd. w. of 16th St.	60.0	point92	92	1,472.0	3,236.5	140.00				Average	
		point57	57	1,991.0	3,581.9	140.00					
16th St s of Pearl St.	35.0	point94	94	2,813.7	2,588.7	140.00				Average	
		point70	70	3,657.5	1,583.6	140.00					
16th St s of Ocean Park Blvd	35.0	point95	95	3,671.8	1,565.5	140.00				Average	

INPUT: ROADWAYS**10504**

		point71	71	4,136.6	1,014.2	140.00					
14th St s of Pearl St	35.0	point96	96	2,311.2	2,232.8	140.00				Average	
		point48	48	3,179.8	1,219.4	140.00					
Pearl St e of 14 St.	45.0	point97	97	2,307.4	2,239.2	140.00				Average	
		point50	50	2,796.9	2,586.3	140.00					
Pearl St e of 16 St.	45.0	point98	98	2,796.9	2,586.3	140.00				Average	
		point51	51	3,324.6	2,954.3	140.00					
17h St s of Ocean Park Blvd	35.0	point99	99	4,187.2	1,929.2	140.00				Average	
		point74	74	4,963.1	1,014.8	140.00					
Pearl St e of 17 St.	45.0	point106	106	3,324.6	2,954.3	140.00				Average	
		point52	52	4,098.7	3,499.3	140.00				Average	
		point53	53	4,945.8	4,103.3	140.00					
16th St n of Pearl St	35.0	point119	119	2,398.5	3,080.9	140.00				Average	
		point69	69	2,802.0	2,603.0	140.00					
Pico Blvd. e. of 16th St.	60.0	point120	120	1,991.0	3,581.9	140.00				Average	
		point58	58	2,415.3	3,860.2	140.00				Average	
		point59	59	3,239.2	4,392.0	140.00				Average	
		point60	60	3,794.6	4,725.3	140.00					

INPUT: TRAFFIC FOR LAeq1h Percentages

10504

Dudek													
MG													
INPUT: TRAFFIC FOR LAeq1h Percentages													
PROJECT/CONTRACT:	10504												
RUN:	JAMS Perf Arts Center Existing plus Proj												
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
Pearl St w of 14 St.	point47	47	273	97	25	2	25	1	25	0	0	0	0
	point49	49											
Pico Blvd. w of 14th St	point80	80	0	97	35	2	35	1	35	0	0	0	0
	point55	55	0	97	35	2	35	1	35	0	0	0	0
	point56	56											
Ocean Park Blvd	point82	82	1392	97	35	2	35	1	35	0	0	0	0
	point62	62	1392	97	35	2	35	1	35	0	0	0	0
	point63	63	1392	97	35	2	35	1	35	0	0	0	0
	point64	64	1392	97	35	2	35	1	35	0	0	0	0
	point65	65	1392	97	35	2	35	1	35	0	0	0	0
	point66	66	1392	97	35	2	35	1	35	0	0	0	0
	point67	67											
17th St.	point84	84	566	97	25	2	25	1	25	0	0	0	0
	point76	76											
16th St s of Pico Blvd.	point87	87	686	97	25	2	25	1	25	0	0	0	0
	point118	118											
17th St. s of Pearl St	point89	89	329	97	25	2	25	1	25	0	0	0	0
	point73	73											
14th St s of Pico Blvd.	point91	91	0	97	25	2	25	1	25	0	0	0	0
	point78	78											
Pico Blvd. w. of 16th St.	point92	92	1550	97	35	2	35	1	35	0	0	0	0
	point57	57											
16th St s of Pearl St.	point94	94	446	97	25	2	25	1	25	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Percentages
10504

	point70	70											
16th St s of Ocean Park Blvd	point95	95	241	97	25	2	25	1	25	0	0	0	0
	point71	71											
14th St s of Pearl St	point96	96	0	97	25	2	25	1	25	0	0	0	0
	point48	48											
Pearl St e of 14 St.	point97	97	311	97	25	2	25	1	25	0	0	0	0
	point50	50											
Pearl St e of 16 St.	point98	98	632	97	25	2	25	1	25	0	0	0	0
	point51	51											
17h St s of Ocean Park Blvd	point99	99	385	97	25	2	25	1	25	0	0	0	0
	point74	74											
Pearl St e of 17 St.	point106	106	532	97	25	2	25	1	25	0	0	0	0
	point52	52	532	97	25	2	25	1	25	0	0	0	0
	point53	53											
16th St n of Pearl St	point119	119	592	97	25	2	25	1	25	0	0	0	0
	point69	69											
Pico Blvd. e. of 16th St.	point120	120	2106	97	35	2	35	1	35	0	0	0	0
	point58	58	2106	97	35	2	35	1	35	0	0	0	0
	point59	59	2106	97	35	2	35	1	35	0	0	0	0
	point60	60											

INPUT: TRAFFIC FOR LAeq1h Percentages

10504

Dudek													
MG													
INPUT: TRAFFIC FOR LAeq1h Percentages													
PROJECT/CONTRACT:	10504												
RUN:	JAMS Perf Arts Center Existing plus Proj												
Roadway	Points												
Name	Name	No.	Segment										
			Total	User 1		User 2		User 3		User 4		<unknown>	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Pearl St w of 14 St.	point47	47	273										
	point49	49											
Pico Blvd. w of 14th St	point80	80	0										
	point55	55	0										
	point56	56											
Ocean Park Blvd	point82	82	1392										
	point62	62	1392										
	point63	63	1392										
	point64	64	1392										
	point65	65	1392										
	point66	66	1392										
	point67	67											
17th St.	point84	84	566										
	point76	76											
16th St s of Pico Blvd.	point87	87	686										
	point118	118											
17th St. s of Pearl St	point89	89	329										
	point73	73											
14th St s of Pico Blvd.	point91	91	0										
	point78	78											
Pico Blvd. w. of 16th St.	point92	92	1550										
	point57	57											
16th St s of Pearl St.	point94	94	446										

INPUT: TRAFFIC FOR LAeq1h Percentages
10504

	point70	70											
16th St s of Ocean Park Blvd	point95	95	241										
	point71	71											
14th St s of Pearl St	point96	96	0										
	point48	48											
Pearl St e of 14 St.	point97	97	311										
	point50	50											
Pearl St e of 16 St.	point98	98	632										
	point51	51											
17h St s of Ocean Park Blvd	point99	99	385										
	point74	74											
Pearl St e of 17 St.	point106	106	532										
	point52	52	532										
	point53	53											
16th St n of Pearl St	point119	119	592										
	point69	69											
Pico Blvd. e. of 16th St.	point120	120	2106										
	point58	58	2106										
	point59	59	2106										
	point60	60											

INPUT: RECEIVERS
10504

Dudek						9 February 2018					
MG						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		10504									
RUN:		JAMS Perf Arts Center Existing plus Proj									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	11	1	3,127.6	2,590.9	140.00	5.00	0.00	66	10.0	8.0	Y
ST2	12	1	3,085.6	2,753.0	140.00	5.00	0.00	66	10.0	8.0	Y
ST3	13	1	3,364.8	2,952.0	140.00	5.00	0.00	66	10.0	8.0	Y
ST4	14	1	3,467.5	2,808.7	140.00	5.00	0.00	66	10.0	8.0	Y
M1	15	1	2,316.4	4,042.2	140.00	5.00	0.00	66	10.0	8.0	Y
M2	16	1	3,104.0	4,359.6	140.00	5.00	0.00	66	10.0	8.0	Y
M3	17	1	2,277.1	3,316.3	140.00	5.00	0.00	66	10.0	8.0	Y
M4	18	1	2,699.4	2,655.9	140.00	5.00	0.00	66	10.0	8.0	Y
M5	19	1	2,676.7	2,434.7	140.00	5.00	0.00	66	10.0	8.0	Y
M6	21	1	2,985.5	2,289.0	140.00	5.00	0.00	66	10.0	8.0	Y
M7	23	1	3,540.2	3,266.6	140.00	5.00	0.00	66	10.0	8.0	Y
M8	25	1	3,582.3	1,445.4	140.00	5.00	0.00	66	10.0	8.0	Y
M9	26	1	3,812.5	1,315.6	140.00	5.00	0.00	66	10.0	8.0	Y
M10	27	1	4,466.1	1,680.8	140.00	5.00	0.00	66	10.0	8.0	Y

Dudek					9 February 2018														
MG					TNM 2.5														
INPUT: BARRIERS																			
PROJECT/CONTRACT:	10504																		
RUN:	JAMS Perf Arts Center Existing plus Proj																		
Barrier										Points									
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)		Height	Segment					
		Min	Max	\$ per Unit	\$ per Unit	Top Width	Run:Rise	\$ per Unit			X	Y	Z	at Point	Seg Ht	Perturbs	On	Important	
				Area	Vol.			Length											
		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	point150	150	2,957.2	3,081.1	140.00	20.00	0.00	0	0		
									point152	152	3,097.8	3,173.1	140.00	20.00	0.00	0	0		
									point153	153	2,983.3	3,338.0	140.00	20.00	0.00	0	0		
									point154	154	2,835.7	3,233.9	140.00	20.00	0.00	0	0		
									point155	155	3,101.3	2,883.3	140.00	20.00	0.00	0	0		
									point156	156	3,248.8	2,982.2	140.00	20.00	0.00	0	0		
									point157	157	3,134.3	3,173.1	140.00	20.00	0.00	0	0		
									point158	158	2,972.8	3,063.7	140.00	20.00					
Barrier2	W	0.00	99.99	0.00				0.00	point251	251	2,523.8	3,744.4	140.00	20.00	0.00	0	0		
									point172	172	2,808.1	3,941.3	140.00	20.00	0.00	0	0		
									point173	173	2,875.9	3,853.8	140.00	20.00	0.00	0	0		
									point174	174	2,593.8	3,659.2	140.00	20.00					
Barrier3	W	0.00	99.99	0.00				0.00	point253	253	2,090.8	3,374.9	140.00	20.00	0.00	0	0		
									point169	169	1,974.9	3,523.6	140.00	20.00	0.00	0	0		
									point170	170	1,537.5	3,224.0	140.00	20.00					
Barrier4	W	0.00	99.99	0.00				0.00	point255	255	2,305.1	3,127.7	140.00	20.00	0.00	0	0		
									point166	166	2,176.1	3,309.3	140.00	20.00	0.00	0	0		
									point167	167	1,743.1	2,987.8	140.00	20.00					
Barrier5	W	0.00	99.99	0.00				0.00	point257	257	2,508.5	2,880.6	140.00	20.00	0.00	0	0		
									point163	163	2,368.5	3,053.4	140.00	20.00	0.00	0	0		
									point164	164	1,950.8	2,762.5	140.00	20.00					
Barrier6	W	0.00	99.99	0.00				0.00	point259	259	2,716.3	2,629.1	140.00	20.00	0.00	0	0		
									point160	160	2,571.9	2,810.6	140.00	20.00	0.00	0	0		
									point161	161	2,160.8	2,515.4	140.00	20.00					
Barrier7	W	0.00	99.99	0.00				0.00	point260	260	3,299.4	3,038.1	140.00	20.00	0.00	0	0		
									point200	200	3,459.2	3,142.8	140.00	20.00					
Barrier8	W	0.00	99.99	0.00				0.00	point262	262	2,967.7	2,319.0	140.00	20.00	0.00	0	0		
									point247	247	2,852.0	2,476.1	140.00	20.00	0.00	0	0		
									point248	248	2,703.2	2,371.4	140.00	20.00	0.00	0	0		
									point249	249	2,683.9	2,426.5	140.00	20.00	0.00	0	0		
									point151	151	2,413.9	2,230.9	140.00	20.00					
Barrier9	W	0.00	99.99	0.00				0.00	point264	264	3,105.5	2,421.0	140.00	20.00	0.00	0	0		
									point242	242	3,044.9	2,374.1	140.00	20.00	0.00	0	0		
									point243	243	3,083.4	2,324.5	140.00	20.00	0.00	0	0		
									point244	244	3,102.7	2,354.8	140.00	20.00	0.00	0	0		

INPUT: BARRIERS

10504

									point245	245	3,168.8	2,269.4	140.00	20.00				
Barrier10	W	0.00	99.99	0.00				0.00	point266	266	3,334.2	2,123.4	140.00	20.00	0.00	0	0	
									point234	234	3,568.4	2,330.0	140.00	20.00	0.00	0	0	
									point235	235	3,505.0	2,396.2	140.00	20.00	0.00	0	0	
									point236	236	3,237.7	2,192.3	140.00	20.00	0.00	0	0	
									point237	237	3,179.9	2,252.9	140.00	20.00	0.00	0	0	
									point238	238	3,237.7	2,291.5	140.00	20.00	0.00	0	0	
									point239	239	2,970.4	2,630.8	140.00	20.00	0.00	0	0	
									point240	240	3,083.3	2,713.5	140.00	20.00				
Barrier11	W	0.00	99.99	0.00				0.00	point268	268	3,736.0	2,413.9	140.00	20.00	0.00	0	0	
									point230	230	3,499.0	2,711.5	140.00	20.00	0.00	0	0	
									point231	231	3,319.8	2,902.3	140.00	20.00	0.00	0	0	
									point232	232	3,116.5	2,739.3	140.00	20.00				
Barrier12	W	0.00	99.99	0.00				0.00	point270	270	3,404.1	2,941.7	140.00	20.00	0.00	0	0	
									point226	226	3,781.6	3,197.9	140.00	20.00	0.00	0	0	
									point227	227	3,919.4	3,002.3	140.00	20.00	0.00	0	0	
									point228	228	3,552.9	2,751.6	140.00	20.00				
Barrier13	W	0.00	99.99	0.00				0.00	point272	272	3,495.0	3,407.3	140.00	20.00	0.00	0	0	
									point221	221	3,423.4	3,335.7	140.00	20.00				
Barrier14	W	0.00	99.99	0.00				0.00	point273	273	3,351.8	4,267.0	140.00	20.00	0.00	0	0	
									point223	223	3,853.2	3,558.9	140.00	20.00	0.00	0	0	
									point224	224	4,126.0	3,751.8	140.00	20.00				
Barrier15	W	0.00	99.99	0.00				0.00	point275	275	2,046.9	4,391.6	140.00	20.00	0.00	0	0	
									point176	176	2,429.5	3,918.9	140.00	20.00	0.00	0	0	
									point177	177	2,534.2	3,982.3	140.00	20.00	0.00	0	0	
									point178	178	2,167.7	4,461.7	140.00	20.00				
Barrier16	W	0.00	99.99	0.00				0.00	point277	277	2,583.8	4,015.3	140.00	20.00	0.00	0	0	
									point180	180	2,707.8	4,095.2	140.00	20.00	0.00	0	0	
									point181	181	2,361.9	4,560.1	140.00	20.00				
Barrier17	W	0.00	99.99	0.00				0.00	point279	279	2,760.0	4,127.1	140.00	20.00	0.00	0	0	
									point183	183	2,884.9	4,210.4	140.00	20.00	0.00	0	0	
									point184	184	2,530.7	4,663.8	140.00	20.00				
Barrier18	W	0.00	99.99	0.00				0.00	point281	281	2,916.4	4,234.0	140.00	20.00	0.00	0	0	
									point186	186	3,054.2	4,324.9	140.00	20.00	0.00	0	0	
									point187	187	2,704.2	4,746.5	140.00	20.00				
Barrier19	W	0.00	99.99	0.00				0.00	point282	282	2,729.1	4,766.5	140.00	20.00	0.00	0	0	
									point188	188	3,090.0	4,363.4	140.00	20.00	0.00	0	0	
									point189	189	3,216.8	4,443.4	140.00	20.00				
Barrier20	W	0.00	99.99	0.00				0.00	point284	284	3,252.6	3,939.1	140.00	20.00	0.00	0	0	
									point191	191	3,470.2	3,738.0	140.00	20.00	0.00	0	0	
									point192	192	3,412.4	3,666.4	140.00	20.00	0.00	0	0	
									point193	193	3,475.8	3,614.0	140.00	20.00	0.00	0	0	
									point194	194	3,602.5	3,762.8	140.00	20.00				
Barrier21	W	0.00	99.99	0.00				0.00	point286	286	2,412.2	3,349.5	140.00	20.00	0.00	0	0	
									point202	202	2,503.1	3,222.7	140.00	20.00	0.00	0	0	
									point203	203	2,839.3	3,456.9	140.00	20.00	0.00	0	0	
									point204	204	2,751.1	3,592.0	140.00	20.00				
Barrier22	W	0.00	99.99	0.00				0.00	point289	289	3,021.1	3,760.0	140.00	20.00	0.00	0	0	
									point215	215	3,114.8	3,859.2	140.00	20.00	0.00	0	0	

INPUT: BARRIERS

10504

									point216	216	3,169.9	3,817.9	140.00	20.00	0.00	0	0		
									point217	217	3,065.2	3,702.2	140.00	20.00	0.00	0	0		
									point218	218	3,313.2	3,448.7	140.00	20.00	0.00	0	0		
									point219	219	3,376.6	3,514.8	140.00	20.00	0.00	0	0		
									point220	220	3,495.0	3,407.3	140.00	20.00					
Barrier23	W	0.00	99.99	0.00				0.00	point291	291	3,486.8	3,319.2	140.00	20.00	0.00	0	0		
									point196	196	3,530.9	3,266.8	140.00	20.00					
Barrier24	W	0.00	99.99	0.00				0.00	point292	292	3,169.9	3,217.2	140.00	20.00	0.00	0	0		
									point199	199	3,299.4	3,038.1	140.00	20.00					
Barrier25	W	0.00	99.99	0.00				0.00	point293	293	3,530.9	3,266.8	140.00	20.00	0.00	0	0		
									point197	197	3,676.9	3,415.6	140.00	20.00					
Barrier26	W	0.00	99.99	0.00				0.00	point295	295	2,842.0	3,583.7	140.00	20.00	0.00	0	0		
									point210	210	2,789.7	3,553.4	140.00	20.00					
Barrie27	W	0.00	99.99	0.00				0.00	point296	296	2,786.9	4,021.8	140.00	20.00	0.00	0	0		
									point212	212	2,968.8	4,121.0	140.00	20.00	0.00	0	0		
									point213	213	3,034.9	4,052.1	140.00	20.00					
Barrier28	W	0.00	99.99	0.00				0.00	point298	298	2,858.6	3,451.4	140.00	20.00	0.00	0	0		
									point206	206	3,004.6	3,534.1	140.00	20.00	0.00	0	0		
									point207	207	2,844.8	3,771.0	140.00	20.00	0.00	0	0		
									point208	208	2,756.6	3,704.9	140.00	20.00	0.00	0	0		
									point209	209	2,842.0	3,583.7	140.00	20.00					

RESULTS: SOUND LEVELS

10504

Dudek													
MG													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		10504											
RUN:		JAMS Perf Arts Center Existing plus Proj											
BARRIER DESIGN:		INPUT HEIGHTS											
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing	Type		With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal	
				Calculated	Crit'n	Calculated	Crit'n	Impact					
							Sub'l Inc						
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST1	11	1	0.0	45.5	66	45.5	10	----	45.5	0.0	8	-8.0	
ST2	12	1	0.0	62.1	66	62.1	10	----	62.1	0.0	8	-8.0	
ST3	13	1	0.0	63.3	66	63.3	10	----	63.3	0.0	8	-8.0	
ST4	14	1	0.0	62.1	66	62.1	10	----	62.1	0.0	8	-8.0	
M1	15	1	0.0	61.5	66	61.5	10	----	61.5	0.0	8	-8.0	
M2	16	1	0.0	68.1	66	68.1	10	Snd Lvl	68.1	0.0	8	-8.0	
M3	17	1	0.0	59.3	66	59.3	10	----	59.3	0.0	8	-8.0	
M4	18	1	0.0	59.9	66	59.9	10	----	59.9	0.0	8	-8.0	
M5	19	1	0.0	56.3	66	56.3	10	----	56.3	0.0	8	-8.0	
M6	21	1	0.0	56.7	66	56.7	10	----	56.7	0.0	8	-8.0	
M7	23	1	0.0	53.3	66	53.3	10	----	53.3	0.0	8	-8.0	
M8	25	1	0.0	65.7	66	65.7	10	----	65.7	0.0	8	-8.0	
M9	26	1	0.0	57.6	66	57.6	10	----	57.6	0.0	8	-8.0	
M10	27	1	0.0	57.9	66	57.9	10	----	57.9	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		14	0.0	0.0	0.0								
All Impacted		1	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
10504

Dudek											
MG											
INPUT: ROADWAYS				9 February 2018							
PROJECT/CONTRACT:				TNM 2.5							
RUN:				JAMS Perf Arts Center Yr 2022 Baseline				Average pavement type shall be used unless a State highway agency substantiates the use 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	%		
Pearl St w of 14 St.	45.0	point47	47	1,811.1	1,885.1	140.00				Average	
		point49	49	2,307.4	2,239.2	140.00					
Pico Blvd. w of 14th St	60.0	point80	80	454.9	2,570.0	140.00				Average	
		point55	55	973.9	2,913.7	140.00				Average	
		point56	56	1,472.0	3,236.5	140.00					
Ocean Park Blvd	55.0	point82	82	2,689.2	864.5	140.00				Average	
		point62	62	3,174.1	1,206.2	140.00				Average	
		point63	63	3,675.6	1,578.1	140.00				Average	
		point64	64	4,185.3	1,939.1	140.00				Average	
		point65	65	4,706.1	2,297.3	140.00				Average	
		point66	66	5,155.2	2,614.1	140.00				Average	
		point67	67	6,038.7	3,239.6	140.00					
17th St.	35.0	point84	84	1,766.6	4,554.6	140.00				Average	
		point76	76	2,403.1	3,890.5	140.00					
16th St s of Pico Blvd.	35.0	point87	87	1,995.0	3,558.7	140.00				Average	
		point118	118	2,398.5	3,080.9	140.00					
17th St. s of Pearl St	25.0	point89	89	3,335.0	2,944.9	140.00				Average	
		point73	73	4,171.6	1,948.6	140.00					
14th St s of Pico Blvd.	35.0	point91	91	1,486.2	3,229.8	140.00				Average	
		point78	78	2,296.3	2,251.6	140.00					
Pico Blvd. w. of 16th St.	60.0	point92	92	1,472.0	3,236.5	140.00				Average	
		point57	57	1,991.0	3,581.9	140.00					
16th St s of Pearl St.	35.0	point94	94	2,813.7	2,588.7	140.00				Average	
		point70	70	3,657.5	1,583.6	140.00					
16th St s of Ocean Park Blvd	35.0	point95	95	3,671.8	1,565.5	140.00				Average	

INPUT: ROADWAYS**10504**

		point71	71	4,136.6	1,014.2	140.00					
14th St s of Pearl St	35.0	point96	96	2,311.2	2,232.8	140.00				Average	
		point48	48	3,179.8	1,219.4	140.00					
Pearl St e of 14 St.	45.0	point97	97	2,307.4	2,239.2	140.00				Average	
		point50	50	2,796.9	2,586.3	140.00					
Pearl St e of 16 St.	45.0	point98	98	2,796.9	2,586.3	140.00				Average	
		point51	51	3,324.6	2,954.3	140.00					
17h St s of Ocean Park Blvd	35.0	point99	99	4,187.2	1,929.2	140.00				Average	
		point74	74	4,963.1	1,014.8	140.00					
Pearl St e of 17 St.	45.0	point106	106	3,324.6	2,954.3	140.00				Average	
		point52	52	4,098.7	3,499.3	140.00				Average	
		point53	53	4,945.8	4,103.3	140.00					
16th St n of Pearl St	35.0	point119	119	2,398.5	3,080.9	140.00				Average	
		point69	69	2,802.0	2,603.0	140.00					
Pico Blvd. e. of 16th St.	60.0	point120	120	1,991.0	3,581.9	140.00				Average	
		point58	58	2,415.3	3,860.2	140.00				Average	
		point59	59	3,239.2	4,392.0	140.00				Average	
		point60	60	3,794.6	4,725.3	140.00					

INPUT: TRAFFIC FOR LAeq1h Percentages
10504

Dudek													
MG													
INPUT: TRAFFIC FOR LAeq1h Percentages PROJECT/CONTRACT: 10504 RUN: JAMS Perf Arts Center Yr 2022 Baseline													
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
Pearl St w of 14 St.	point47	47	273	97	25	2	25	1	25	0	0	0	0
	point49	49											
Pico Blvd. w of 14th St	point80	80	0	97	35	2	35	1	35	0	0	0	0
	point55	55	0	97	35	2	35	1	35	0	0	0	0
	point56	56											
Ocean Park Blvd	point82	82	1474	97	35	2	35	1	35	0	0	0	0
	point62	62	1474	97	35	2	35	1	35	0	0	0	0
	point63	63	1474	97	35	2	35	1	35	0	0	0	0
	point64	64	1474	97	35	2	35	1	35	0	0	0	0
	point65	65	1474	97	35	2	35	1	35	0	0	0	0
	point66	66	1474	97	35	2	35	1	35	0	0	0	0
	point67	67											
17th St.	point84	84	622	97	25	2	25	1	25	0	0	0	0
	point76	76											
16th St s of Pico Blvd.	point87	87	672	97	25	2	25	1	25	0	0	0	0
	point118	118											
17th St. s of Pearl St	point89	89	258	97	25	2	25	1	25	0	0	0	0
	point73	73											
14th St s of Pico Blvd.	point91	91	0	97	25	2	25	1	25	0	0	0	0
	point78	78											
Pico Blvd. w. of 16th St.	point92	92	1720	97	35	2	35	1	35	0	0	0	0
	point57	57											
16th St s of Pearl St.	point94	94	449	97	25	2	25	1	25	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Percentages
10504

	point70	70											
16th St s of Ocean Park Blvd	point95	95	233	97	25	2	25	1	25	0	0	0	0
	point71	71											
14th St s of Pearl St	point96	96	0	97	25	2	25	1	25	0	0	0	0
	point48	48											
Pearl St e of 14 St.	point97	97	300	97	25	2	25	1	25	0	0	0	0
	point50	50											
Pearl St e of 16 St.	point98	98	564	97	25	2	25	1	25	0	0	0	0
	point51	51											
17h St s of Ocean Park Blvd	point99	99	388	97	25	2	25	1	25	0	0	0	0
	point74	74											
Pearl St e of 17 St.	point106	106	557	97	25	2	25	1	25	0	0	0	0
	point52	52	557	97	25	2	25	1	25	0	0	0	0
	point53	53											
16th St n of Pearl St	point119	119	568	97	25	2	25	1	25	0	0	0	0
	point69	69											
Pico Blvd. e. of 16th St.	point120	120	2304	97	35	2	35	1	35	0	0	0	0
	point58	58	2304	97	35	2	35	1	35	0	0	0	0
	point59	59	2304	97	35	2	35	1	35	0	0	0	0
	point60	60											

INPUT: TRAFFIC FOR LAeq1h Percentages

10504

Dudek													
MG													
INPUT: TRAFFIC FOR LAeq1h Percentages													
PROJECT/CONTRACT:	10504												
RUN:	JAMS Perf Arts Center Yr 2022 Baseline												
Roadway	Points												
Name	Name	No.	Segment										
			Total	User 1		User 2		User 3		User 4		<unknown>	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Pearl St w of 14 St.	point47	47	273										
	point49	49											
Pico Blvd. w of 14th St	point80	80	0										
	point55	55	0										
	point56	56											
Ocean Park Blvd	point82	82	1474										
	point62	62	1474										
	point63	63	1474										
	point64	64	1474										
	point65	65	1474										
	point66	66	1474										
	point67	67											
17th St.	point84	84	622										
	point76	76											
16th St s of Pico Blvd.	point87	87	672										
	point118	118											
17th St. s of Pearl St	point89	89	258										
	point73	73											
14th St s of Pico Blvd.	point91	91	0										
	point78	78											
Pico Blvd. w. of 16th St.	point92	92	1720										
	point57	57											
16th St s of Pearl St.	point94	94	449										

INPUT: TRAFFIC FOR LAeq1h Percentages
10504

	point70	70											
16th St s of Ocean Park Blvd	point95	95	233										
	point71	71											
14th St s of Pearl St	point96	96	0										
	point48	48											
Pearl St e of 14 St.	point97	97	300										
	point50	50											
Pearl St e of 16 St.	point98	98	564										
	point51	51											
17h St s of Ocean Park Blvd	point99	99	388										
	point74	74											
Pearl St e of 17 St.	point106	106	557										
	point52	52	557										
	point53	53											
16th St n of Pearl St	point119	119	568										
	point69	69											
Pico Blvd. e. of 16th St.	point120	120	2304										
	point58	58	2304										
	point59	59	2304										
	point60	60											

INPUT: RECEIVERS
10504

Dudek						9 February 2018					
MG						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		10504									
RUN:		JAMS Perf Arts Center Yr 2022 Baseline									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	11	1	3,127.6	2,590.9	140.00	5.00	0.00	66	10.0	8.0	Y
ST2	12	1	3,085.6	2,753.0	140.00	5.00	0.00	66	10.0	8.0	Y
ST3	13	1	3,364.8	2,952.0	140.00	5.00	0.00	66	10.0	8.0	Y
ST4	14	1	3,467.5	2,808.7	140.00	5.00	0.00	66	10.0	8.0	Y
M1	15	1	2,316.4	4,042.2	140.00	5.00	0.00	66	10.0	8.0	Y
M2	16	1	3,104.0	4,359.6	140.00	5.00	0.00	66	10.0	8.0	Y
M3	17	1	2,277.1	3,316.3	140.00	5.00	0.00	66	10.0	8.0	Y
M4	18	1	2,699.4	2,655.9	140.00	5.00	0.00	66	10.0	8.0	Y
M5	19	1	2,676.7	2,434.7	140.00	5.00	0.00	66	10.0	8.0	Y
M6	21	1	2,985.5	2,289.0	140.00	5.00	0.00	66	10.0	8.0	Y
M7	23	1	3,540.2	3,266.6	140.00	5.00	0.00	66	10.0	8.0	Y
M8	25	1	3,582.3	1,445.4	140.00	5.00	0.00	66	10.0	8.0	Y
M9	26	1	3,812.5	1,315.6	140.00	5.00	0.00	66	10.0	8.0	Y
M10	27	1	4,466.1	1,680.8	140.00	5.00	0.00	66	10.0	8.0	Y

INPUT: BARRIERS

10504

Dudek					9 February 2018														
MG					TNM 2.5														
INPUT: BARRIERS																			
PROJECT/CONTRACT:	10504																		
RUN:	JAMS Perf Arts Center Yr 2022 Baseline																		
Barrier																			
Name	Type	Height		If Wall	If Berm			Add'tnl	Points										
		Min	Max	\$ per Unit	\$ per Unit	Top Width	Run:Rise	\$ per Unit	Name	No.	Coordinates (bottom)		Height	Segment					
				Area	Vol.			Length			X	Y	Z	at Point	Seg Ht	Perturbs	On	Important	
		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	point150	150	2,957.2	3,081.1	140.00	20.00	0.00	0	0		
									point152	152	3,097.8	3,173.1	140.00	20.00	0.00	0	0		
									point153	153	2,983.3	3,338.0	140.00	20.00	0.00	0	0		
									point154	154	2,835.7	3,233.9	140.00	20.00	0.00	0	0		
									point155	155	3,101.3	2,883.3	140.00	20.00	0.00	0	0		
									point156	156	3,248.8	2,982.2	140.00	20.00	0.00	0	0		
									point157	157	3,134.3	3,173.1	140.00	20.00	0.00	0	0		
									point158	158	2,972.8	3,063.7	140.00	20.00					
Barrier2	W	0.00	99.99	0.00				0.00	point251	251	2,523.8	3,744.4	140.00	20.00	0.00	0	0		
									point172	172	2,808.1	3,941.3	140.00	20.00	0.00	0	0		
									point173	173	2,875.9	3,853.8	140.00	20.00	0.00	0	0		
									point174	174	2,593.8	3,659.2	140.00	20.00					
Barrier3	W	0.00	99.99	0.00				0.00	point253	253	2,090.8	3,374.9	140.00	20.00	0.00	0	0		
									point169	169	1,974.9	3,523.6	140.00	20.00	0.00	0	0		
									point170	170	1,537.5	3,224.0	140.00	20.00					
Barrier4	W	0.00	99.99	0.00				0.00	point255	255	2,305.1	3,127.7	140.00	20.00	0.00	0	0		
									point166	166	2,176.1	3,309.3	140.00	20.00	0.00	0	0		
									point167	167	1,743.1	2,987.8	140.00	20.00					
Barrier5	W	0.00	99.99	0.00				0.00	point257	257	2,508.5	2,880.6	140.00	20.00	0.00	0	0		
									point163	163	2,368.5	3,053.4	140.00	20.00	0.00	0	0		
									point164	164	1,950.8	2,762.5	140.00	20.00					
Barrier6	W	0.00	99.99	0.00				0.00	point259	259	2,716.3	2,629.1	140.00	20.00	0.00	0	0		
									point160	160	2,571.9	2,810.6	140.00	20.00	0.00	0	0		
									point161	161	2,160.8	2,515.4	140.00	20.00					
Barrier7	W	0.00	99.99	0.00				0.00	point260	260	3,299.4	3,038.1	140.00	20.00	0.00	0	0		
									point200	200	3,459.2	3,142.8	140.00	20.00					
Barrier8	W	0.00	99.99	0.00				0.00	point262	262	2,967.7	2,319.0	140.00	20.00	0.00	0	0		
									point247	247	2,852.0	2,476.1	140.00	20.00	0.00	0	0		
									point248	248	2,703.2	2,371.4	140.00	20.00	0.00	0	0		
									point249	249	2,683.9	2,426.5	140.00	20.00	0.00	0	0		
									point151	151	2,413.9	2,230.9	140.00	20.00					
Barrier9	W	0.00	99.99	0.00				0.00	point264	264	3,105.5	2,421.0	140.00	20.00	0.00	0	0		
									point242	242	3,044.9	2,374.1	140.00	20.00	0.00	0	0		
									point243	243	3,083.4	2,324.5	140.00	20.00	0.00	0	0		
									point244	244	3,102.7	2,354.8	140.00	20.00	0.00	0	0		

INPUT: BARRIERS

10504

									point245	245	3,168.8	2,269.4	140.00	20.00					
Barrier10	W	0.00	99.99	0.00				0.00	point266	266	3,334.2	2,123.4	140.00	20.00	0.00	0	0		
									point234	234	3,568.4	2,330.0	140.00	20.00	0.00	0	0		
									point235	235	3,505.0	2,396.2	140.00	20.00	0.00	0	0		
									point236	236	3,237.7	2,192.3	140.00	20.00	0.00	0	0		
									point237	237	3,179.9	2,252.9	140.00	20.00	0.00	0	0		
									point238	238	3,237.7	2,291.5	140.00	20.00	0.00	0	0		
									point239	239	2,970.4	2,630.8	140.00	20.00	0.00	0	0		
									point240	240	3,083.3	2,713.5	140.00	20.00					
Barrier11	W	0.00	99.99	0.00				0.00	point268	268	3,736.0	2,413.9	140.00	20.00	0.00	0	0		
									point230	230	3,499.0	2,711.5	140.00	20.00	0.00	0	0		
									point231	231	3,319.8	2,902.3	140.00	20.00	0.00	0	0		
									point232	232	3,116.5	2,739.3	140.00	20.00					
Barrier12	W	0.00	99.99	0.00				0.00	point270	270	3,404.1	2,941.7	140.00	20.00	0.00	0	0		
									point226	226	3,781.6	3,197.9	140.00	20.00	0.00	0	0		
									point227	227	3,919.4	3,002.3	140.00	20.00	0.00	0	0		
									point228	228	3,552.9	2,751.6	140.00	20.00					
Barrier13	W	0.00	99.99	0.00				0.00	point272	272	3,495.0	3,407.3	140.00	20.00	0.00	0	0		
									point221	221	3,423.4	3,335.7	140.00	20.00					
Barrier14	W	0.00	99.99	0.00				0.00	point273	273	3,351.8	4,267.0	140.00	20.00	0.00	0	0		
									point223	223	3,853.2	3,558.9	140.00	20.00	0.00	0	0		
									point224	224	4,126.0	3,751.8	140.00	20.00					
Barrier15	W	0.00	99.99	0.00				0.00	point275	275	2,046.9	4,391.6	140.00	20.00	0.00	0	0		
									point176	176	2,429.5	3,918.9	140.00	20.00	0.00	0	0		
									point177	177	2,534.2	3,982.3	140.00	20.00	0.00	0	0		
									point178	178	2,167.7	4,461.7	140.00	20.00					
Barrier16	W	0.00	99.99	0.00				0.00	point277	277	2,583.8	4,015.3	140.00	20.00	0.00	0	0		
									point180	180	2,707.8	4,095.2	140.00	20.00	0.00	0	0		
									point181	181	2,361.9	4,560.1	140.00	20.00					
Barrier17	W	0.00	99.99	0.00				0.00	point279	279	2,760.0	4,127.1	140.00	20.00	0.00	0	0		
									point183	183	2,884.9	4,210.4	140.00	20.00	0.00	0	0		
									point184	184	2,530.7	4,663.8	140.00	20.00					
Barrier18	W	0.00	99.99	0.00				0.00	point281	281	2,916.4	4,234.0	140.00	20.00	0.00	0	0		
									point186	186	3,054.2	4,324.9	140.00	20.00	0.00	0	0		
									point187	187	2,704.2	4,746.5	140.00	20.00					
Barrier19	W	0.00	99.99	0.00				0.00	point282	282	2,729.1	4,766.5	140.00	20.00	0.00	0	0		
									point188	188	3,090.0	4,363.4	140.00	20.00	0.00	0	0		
									point189	189	3,216.8	4,443.4	140.00	20.00					
Barrier20	W	0.00	99.99	0.00				0.00	point284	284	3,252.6	3,939.1	140.00	20.00	0.00	0	0		
									point191	191	3,470.2	3,738.0	140.00	20.00	0.00	0	0		
									point192	192	3,412.4	3,666.4	140.00	20.00	0.00	0	0		
									point193	193	3,475.8	3,614.0	140.00	20.00	0.00	0	0		
									point194	194	3,602.5	3,762.8	140.00	20.00					
Barrier21	W	0.00	99.99	0.00				0.00	point286	286	2,412.2	3,349.5	140.00	20.00	0.00	0	0		
									point202	202	2,503.1	3,222.7	140.00	20.00	0.00	0	0		
									point203	203	2,839.3	3,456.9	140.00	20.00	0.00	0	0		
									point204	204	2,751.1	3,592.0	140.00	20.00					
Barrier22	W	0.00	99.99	0.00				0.00	point289	289	3,021.1	3,760.0	140.00	20.00	0.00	0	0		
									point215	215	3,114.8	3,859.2	140.00	20.00	0.00	0	0		

INPUT: BARRIERS

10504

									point216	216	3,169.9	3,817.9	140.00	20.00	0.00	0	0		
									point217	217	3,065.2	3,702.2	140.00	20.00	0.00	0	0		
									point218	218	3,313.2	3,448.7	140.00	20.00	0.00	0	0		
									point219	219	3,376.6	3,514.8	140.00	20.00	0.00	0	0		
									point220	220	3,495.0	3,407.3	140.00	20.00					
Barrier23	W	0.00	99.99	0.00				0.00	point291	291	3,486.8	3,319.2	140.00	20.00	0.00	0	0		
									point196	196	3,530.9	3,266.8	140.00	20.00					
Barrier24	W	0.00	99.99	0.00				0.00	point292	292	3,169.9	3,217.2	140.00	20.00	0.00	0	0		
									point199	199	3,299.4	3,038.1	140.00	20.00					
Barrier25	W	0.00	99.99	0.00				0.00	point293	293	3,530.9	3,266.8	140.00	20.00	0.00	0	0		
									point197	197	3,676.9	3,415.6	140.00	20.00					
Barrier26	W	0.00	99.99	0.00				0.00	point295	295	2,842.0	3,583.7	140.00	20.00	0.00	0	0		
									point210	210	2,789.7	3,553.4	140.00	20.00					
Barrie27	W	0.00	99.99	0.00				0.00	point296	296	2,786.9	4,021.8	140.00	20.00	0.00	0	0		
									point212	212	2,968.8	4,121.0	140.00	20.00	0.00	0	0		
									point213	213	3,034.9	4,052.1	140.00	20.00					
Barrier28	W	0.00	99.99	0.00				0.00	point298	298	2,858.6	3,451.4	140.00	20.00	0.00	0	0		
									point206	206	3,004.6	3,534.1	140.00	20.00	0.00	0	0		
									point207	207	2,844.8	3,771.0	140.00	20.00	0.00	0	0		
									point208	208	2,756.6	3,704.9	140.00	20.00	0.00	0	0		
									point209	209	2,842.0	3,583.7	140.00	20.00					

RESULTS: SOUND LEVELS

10504

Dudek													
MG													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		10504											
RUN:		JAMS Perf Arts Center Yr 2022 Baseline											
BARRIER DESIGN:		INPUT HEIGHTS											
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing	Type		With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal	
				Calculated	Crit'n	Calculated	Crit'n	Impact					
							Sub'l Inc						
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST1	11	1	0.0	45.2	66	45.2	10	----	45.2	0.0	8	-8.0	
ST2	12	1	0.0	61.6	66	61.6	10	----	61.6	0.0	8	-8.0	
ST3	13	1	0.0	63.1	66	63.1	10	----	63.1	0.0	8	-8.0	
ST4	14	1	0.0	61.0	66	61.0	10	----	61.0	0.0	8	-8.0	
M1	15	1	0.0	61.9	66	61.9	10	----	61.9	0.0	8	-8.0	
M2	16	1	0.0	68.5	66	68.5	10	Snd Lvl	68.5	0.0	8	-8.0	
M3	17	1	0.0	59.3	66	59.3	10	----	59.3	0.0	8	-8.0	
M4	18	1	0.0	59.7	66	59.7	10	----	59.7	0.0	8	-8.0	
M5	19	1	0.0	56.1	66	56.1	10	----	56.1	0.0	8	-8.0	
M6	21	1	0.0	56.7	66	56.7	10	----	56.7	0.0	8	-8.0	
M7	23	1	0.0	53.5	66	53.5	10	----	53.5	0.0	8	-8.0	
M8	25	1	0.0	66.0	66	66.0	10	Snd Lvl	66.0	0.0	8	-8.0	
M9	26	1	0.0	57.7	66	57.7	10	----	57.7	0.0	8	-8.0	
M10	27	1	0.0	58.0	66	58.0	10	----	58.0	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		14	0.0	0.0	0.0								
All Impacted		2	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
10504

Dudek											
MG											
INPUT: ROADWAYS											
PROJECT/CONTRACT:	10504										
RUN:	JAMS Perf Arts Center Yr 2022 pls Proj										
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	%		
Pearl St w of 14 St.	45.0	point47	47	1,811.1	1,885.1	140.00				Average	
		point49	49	2,307.4	2,239.2	140.00					
Pico Blvd. w of 14th St	60.0	point80	80	454.9	2,570.0	140.00				Average	
		point55	55	973.9	2,913.7	140.00				Average	
		point56	56	1,472.0	3,236.5	140.00					
Ocean Park Blvd	55.0	point82	82	2,689.2	864.5	140.00				Average	
		point62	62	3,174.1	1,206.2	140.00				Average	
		point63	63	3,675.6	1,578.1	140.00				Average	
		point64	64	4,185.3	1,939.1	140.00				Average	
		point65	65	4,706.1	2,297.3	140.00				Average	
		point66	66	5,155.2	2,614.1	140.00				Average	
		point67	67	6,038.7	3,239.6	140.00					
17th St.	35.0	point84	84	1,766.6	4,554.6	140.00				Average	
		point76	76	2,403.1	3,890.5	140.00					
16th St s of Pico Blvd.	35.0	point87	87	1,995.0	3,558.7	140.00				Average	
		point118	118	2,398.5	3,080.9	140.00					
17th St. s of Pearl St	25.0	point89	89	3,335.0	2,944.9	140.00				Average	
		point73	73	4,171.6	1,948.6	140.00					
14th St s of Pico Blvd.	35.0	point91	91	1,486.2	3,229.8	140.00				Average	
		point78	78	2,296.3	2,251.6	140.00					
Pico Blvd. w. of 16th St.	60.0	point92	92	1,472.0	3,236.5	140.00				Average	
		point57	57	1,991.0	3,581.9	140.00					
16th St s of Pearl St.	35.0	point94	94	2,813.7	2,588.7	140.00				Average	
		point70	70	3,657.5	1,583.6	140.00					
16th St s of Ocean Park Blvd	35.0	point95	95	3,671.8	1,565.5	140.00				Average	

INPUT: ROADWAYS**10504**

		point71	71	4,136.6	1,014.2	140.00					
14th St s of Pearl St	35.0	point96	96	2,311.2	2,232.8	140.00				Average	
		point48	48	3,179.8	1,219.4	140.00					
Pearl St e of 14 St.	45.0	point97	97	2,307.4	2,239.2	140.00				Average	
		point50	50	2,796.9	2,586.3	140.00					
Pearl St e of 16 St.	45.0	point98	98	2,796.9	2,586.3	140.00				Average	
		point51	51	3,324.6	2,954.3	140.00					
17h St s of Ocean Park Blvd	35.0	point99	99	4,187.2	1,929.2	140.00				Average	
		point74	74	4,963.1	1,014.8	140.00					
Pearl St e of 17 St.	45.0	point106	106	3,324.6	2,954.3	140.00				Average	
		point52	52	4,098.7	3,499.3	140.00				Average	
		point53	53	4,945.8	4,103.3	140.00					
16th St n of Pearl St	35.0	point119	119	2,398.5	3,080.9	140.00				Average	
		point69	69	2,802.0	2,603.0	140.00					
Pico Blvd. e. of 16th St.	60.0	point120	120	1,991.0	3,581.9	140.00				Average	
		point58	58	2,415.3	3,860.2	140.00				Average	
		point59	59	3,239.2	4,392.0	140.00				Average	
		point60	60	3,794.6	4,725.3	140.00					

INPUT: TRAFFIC FOR LAeq1h Percentages
10504

Dudek													
MG													
INPUT: TRAFFIC FOR LAeq1h Percentages													
PROJECT/CONTRACT:	10504												
RUN:	JAMS Perf Arts Center Yr 2022 pls Proj												
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
Pearl St w of 14 St.	point47	47	273	97	25	2	25	1	25	0	0	0	0
	point49	49											
Pico Blvd. w of 14th St	point80	80	0	97	35	2	35	1	35	0	0	0	0
	point55	55	0	97	35	2	35	1	35	0	0	0	0
	point56	56											
Ocean Park Blvd	point82	82	1500	97	35	2	35	1	35	0	0	0	0
	point62	62	1500	97	35	2	35	1	35	0	0	0	0
	point63	63	1500	97	35	2	35	1	35	0	0	0	0
	point64	64	1500	97	35	2	35	1	35	0	0	0	0
	point65	65	1500	97	35	2	35	1	35	0	0	0	0
	point66	66	1500	97	35	2	35	1	35	0	0	0	0
	point67	67											
17th St.	point84	84	622	97	25	2	25	1	25	0	0	0	0
	point76	76											
16th St s of Pico Blvd.	point87	87	747	97	25	2	25	1	25	0	0	0	0
	point118	118											
17th St. s of Pearl St	point89	89	352	97	25	2	25	1	25	0	0	0	0
	point73	73											
14th St s of Pico Blvd.	point91	91	0	97	25	2	25	1	25	0	0	0	0
	point78	78											
Pico Blvd. w. of 16th St.	point92	92	1745	97	35	2	35	1	35	0	0	0	0
	point57	57											
16th St s of Pearl St.	point94	94	487	97	25	2	25	1	25	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Percentages
10504

	point70	70											
16th St s of Ocean Park Blvd	point95	95	258	97	25	2	25	1	25	0	0	0	0
	point71	71											
14th St s of Pearl St	point96	96	0	97	25	2	25	1	25	0	0	0	0
	point48	48											
Pearl St e of 14 St.	point97	97	338	97	25	2	25	1	25	0	0	0	0
	point50	50											
Pearl St e of 16 St.	point98	98	683	97	25	2	25	1	25	0	0	0	0
	point51	51											
17h St s of Ocean Park Blvd	point99	99	413	97	25	2	25	1	25	0	0	0	0
	point74	74											
Pearl St e of 17 St.	point106	106	582	97	25	2	25	1	25	0	0	0	0
	point52	52	582	97	25	2	25	1	25	0	0	0	0
	point53	53											
16th St n of Pearl St	point119	119	643	97	25	2	25	1	25	0	0	0	0
	point69	69											
Pico Blvd. e. of 16th St.	point120	120	2354	97	35	2	35	1	35	0	0	0	0
	point58	58	2354	97	35	2	35	1	35	0	0	0	0
	point59	59	2354	97	35	2	35	1	35	0	0	0	0
	point60	60											

INPUT: TRAFFIC FOR LAeq1h Percentages

10504

Dudek													
MG													
INPUT: TRAFFIC FOR LAeq1h Percentages													
PROJECT/CONTRACT:	10504												
RUN:	JAMS Perf Arts Center Yr 2022 pls Proj												
Roadway	Points												
Name	Name	No.	Segment										
			Total	User 1		User 2		User 3		User 4		<unknown>	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Pearl St w of 14 St.	point47	47	273										
	point49	49											
Pico Blvd. w of 14th St	point80	80	0										
	point55	55	0										
	point56	56											
Ocean Park Blvd	point82	82	1500										
	point62	62	1500										
	point63	63	1500										
	point64	64	1500										
	point65	65	1500										
	point66	66	1500										
	point67	67											
17th St.	point84	84	622										
	point76	76											
16th St s of Pico Blvd.	point87	87	747										
	point118	118											
17th St. s of Pearl St	point89	89	352										
	point73	73											
14th St s of Pico Blvd.	point91	91	0										
	point78	78											
Pico Blvd. w. of 16th St.	point92	92	1745										
	point57	57											
16th St s of Pearl St.	point94	94	487										

INPUT: TRAFFIC FOR LAeq1h Percentages
10504

	point70	70											
16th St s of Ocean Park Blvd	point95	95	258										
	point71	71											
14th St s of Pearl St	point96	96	0										
	point48	48											
Pearl St e of 14 St.	point97	97	338										
	point50	50											
Pearl St e of 16 St.	point98	98	683										
	point51	51											
17h St s of Ocean Park Blvd	point99	99	413										
	point74	74											
Pearl St e of 17 St.	point106	106	582										
	point52	52	582										
	point53	53											
16th St n of Pearl St	point119	119	643										
	point69	69											
Pico Blvd. e. of 16th St.	point120	120	2354										
	point58	58	2354										
	point59	59	2354										
	point60	60											

INPUT: RECEIVERS
10504

Dudek						9 February 2018					
MG						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		10504									
RUN:		JAMS Perf Arts Center Yr 2022 pls Proj									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	11	1	3,127.6	2,590.9	140.00	5.00	0.00	66	10.0	8.0	Y
ST2	12	1	3,085.6	2,753.0	140.00	5.00	0.00	66	10.0	8.0	Y
ST3	13	1	3,364.8	2,952.0	140.00	5.00	0.00	66	10.0	8.0	Y
ST4	14	1	3,467.5	2,808.7	140.00	5.00	0.00	66	10.0	8.0	Y
M1	15	1	2,316.4	4,042.2	140.00	5.00	0.00	66	10.0	8.0	Y
M2	16	1	3,104.0	4,359.6	140.00	5.00	0.00	66	10.0	8.0	Y
M3	17	1	2,277.1	3,316.3	140.00	5.00	0.00	66	10.0	8.0	Y
M4	18	1	2,699.4	2,655.9	140.00	5.00	0.00	66	10.0	8.0	Y
M5	19	1	2,676.7	2,434.7	140.00	5.00	0.00	66	10.0	8.0	Y
M6	21	1	2,985.5	2,289.0	140.00	5.00	0.00	66	10.0	8.0	Y
M7	23	1	3,540.2	3,266.6	140.00	5.00	0.00	66	10.0	8.0	Y
M8	25	1	3,582.3	1,445.4	140.00	5.00	0.00	66	10.0	8.0	Y
M9	26	1	3,812.5	1,315.6	140.00	5.00	0.00	66	10.0	8.0	Y
M10	27	1	4,466.1	1,680.8	140.00	5.00	0.00	66	10.0	8.0	Y

INPUT: BARRIERS

10504

Dudek					9 February 2018														
MG					TNM 2.5														
INPUT: BARRIERS																			
PROJECT/CONTRACT:	10504																		
RUN:	JAMS Perf Arts Center Yr 2022 pls Proj																		
Barrier																			
Name	Type	Height		If Wall	If Berm			Add'tnl	Points										
		Min	Max	\$ per Unit	\$ per Unit	Top Width	Run:Rise	\$ per Unit	Name	No.	Coordinates (bottom)		Height at Point	Segment					
				Area	Vol.			Length			X Y Z			Seg Ht	Perturbs	On	Important		
		ft	ft	\$/sq ft	\$/cu yd	ft	ft:ft	\$/ft			ft ft ft		ft	ft	ment		Reflec-		
Barrier1	W	0.00	99.99	0.00				0.00	point150	150	2,957.2 3,081.1 140.00		20.00	0.00	0	0			
									point152	152	3,097.8 3,173.1 140.00		20.00	0.00	0	0			
									point153	153	2,983.3 3,338.0 140.00		20.00	0.00	0	0			
									point154	154	2,835.7 3,233.9 140.00		20.00	0.00	0	0			
									point155	155	3,101.3 2,883.3 140.00		20.00	0.00	0	0			
									point156	156	3,248.8 2,982.2 140.00		20.00	0.00	0	0			
									point157	157	3,134.3 3,173.1 140.00		20.00	0.00	0	0			
									point158	158	2,972.8 3,063.7 140.00		20.00						
Barrier2	W	0.00	99.99	0.00				0.00	point251	251	2,523.8 3,744.4 140.00		20.00	0.00	0	0			
									point172	172	2,808.1 3,941.3 140.00		20.00	0.00	0	0			
									point173	173	2,875.9 3,853.8 140.00		20.00	0.00	0	0			
									point174	174	2,593.8 3,659.2 140.00		20.00						
Barrier3	W	0.00	99.99	0.00				0.00	point253	253	2,090.8 3,374.9 140.00		20.00	0.00	0	0			
									point169	169	1,974.9 3,523.6 140.00		20.00	0.00	0	0			
									point170	170	1,537.5 3,224.0 140.00		20.00						
Barrier4	W	0.00	99.99	0.00				0.00	point255	255	2,305.1 3,127.7 140.00		20.00	0.00	0	0			
									point166	166	2,176.1 3,309.3 140.00		20.00	0.00	0	0			
									point167	167	1,743.1 2,987.8 140.00		20.00						
Barrier5	W	0.00	99.99	0.00				0.00	point257	257	2,508.5 2,880.6 140.00		20.00	0.00	0	0			
									point163	163	2,368.5 3,053.4 140.00		20.00	0.00	0	0			
									point164	164	1,950.8 2,762.5 140.00		20.00						
Barrier6	W	0.00	99.99	0.00				0.00	point259	259	2,716.3 2,629.1 140.00		20.00	0.00	0	0			
									point160	160	2,571.9 2,810.6 140.00		20.00	0.00	0	0			
									point161	161	2,160.8 2,515.4 140.00		20.00						
Barrier7	W	0.00	99.99	0.00				0.00	point260	260	3,299.4 3,038.1 140.00		20.00	0.00	0	0			
									point200	200	3,459.2 3,142.8 140.00		20.00						
Barrier8	W	0.00	99.99	0.00				0.00	point262	262	2,967.7 2,319.0 140.00		20.00	0.00	0	0			
									point247	247	2,852.0 2,476.1 140.00		20.00	0.00	0	0			
									point248	248	2,703.2 2,371.4 140.00		20.00	0.00	0	0			
									point249	249	2,683.9 2,426.5 140.00		20.00	0.00	0	0			
									point151	151	2,413.9 2,230.9 140.00		20.00						
Barrier9	W	0.00	99.99	0.00				0.00	point264	264	3,105.5 2,421.0 140.00		20.00	0.00	0	0			
									point242	242	3,044.9 2,374.1 140.00		20.00	0.00	0	0			
									point243	243	3,083.4 2,324.5 140.00		20.00	0.00	0	0			
									point244	244	3,102.7 2,354.8 140.00		20.00	0.00	0	0			

INPUT: BARRIERS

10504

									point245	245	3,168.8	2,269.4	140.00	20.00					
Barrier10	W	0.00	99.99	0.00				0.00	point266	266	3,334.2	2,123.4	140.00	20.00	0.00	0	0		
									point234	234	3,568.4	2,330.0	140.00	20.00	0.00	0	0		
									point235	235	3,505.0	2,396.2	140.00	20.00	0.00	0	0		
									point236	236	3,237.7	2,192.3	140.00	20.00	0.00	0	0		
									point237	237	3,179.9	2,252.9	140.00	20.00	0.00	0	0		
									point238	238	3,237.7	2,291.5	140.00	20.00	0.00	0	0		
									point239	239	2,970.4	2,630.8	140.00	20.00	0.00	0	0		
									point240	240	3,083.3	2,713.5	140.00	20.00					
Barrier11	W	0.00	99.99	0.00				0.00	point268	268	3,736.0	2,413.9	140.00	20.00	0.00	0	0		
									point230	230	3,499.0	2,711.5	140.00	20.00	0.00	0	0		
									point231	231	3,319.8	2,902.3	140.00	20.00	0.00	0	0		
									point232	232	3,116.5	2,739.3	140.00	20.00					
Barrier12	W	0.00	99.99	0.00				0.00	point270	270	3,404.1	2,941.7	140.00	20.00	0.00	0	0		
									point226	226	3,781.6	3,197.9	140.00	20.00	0.00	0	0		
									point227	227	3,919.4	3,002.3	140.00	20.00	0.00	0	0		
									point228	228	3,552.9	2,751.6	140.00	20.00					
Barrier13	W	0.00	99.99	0.00				0.00	point272	272	3,495.0	3,407.3	140.00	20.00	0.00	0	0		
									point221	221	3,423.4	3,335.7	140.00	20.00					
Barrier14	W	0.00	99.99	0.00				0.00	point273	273	3,351.8	4,267.0	140.00	20.00	0.00	0	0		
									point223	223	3,853.2	3,558.9	140.00	20.00	0.00	0	0		
									point224	224	4,126.0	3,751.8	140.00	20.00					
Barrier15	W	0.00	99.99	0.00				0.00	point275	275	2,046.9	4,391.6	140.00	20.00	0.00	0	0		
									point176	176	2,429.5	3,918.9	140.00	20.00	0.00	0	0		
									point177	177	2,534.2	3,982.3	140.00	20.00	0.00	0	0		
									point178	178	2,167.7	4,461.7	140.00	20.00					
Barrier16	W	0.00	99.99	0.00				0.00	point277	277	2,583.8	4,015.3	140.00	20.00	0.00	0	0		
									point180	180	2,707.8	4,095.2	140.00	20.00	0.00	0	0		
									point181	181	2,361.9	4,560.1	140.00	20.00					
Barrier17	W	0.00	99.99	0.00				0.00	point279	279	2,760.0	4,127.1	140.00	20.00	0.00	0	0		
									point183	183	2,884.9	4,210.4	140.00	20.00	0.00	0	0		
									point184	184	2,530.7	4,663.8	140.00	20.00					
Barrier18	W	0.00	99.99	0.00				0.00	point281	281	2,916.4	4,234.0	140.00	20.00	0.00	0	0		
									point186	186	3,054.2	4,324.9	140.00	20.00	0.00	0	0		
									point187	187	2,704.2	4,746.5	140.00	20.00					
Barrier19	W	0.00	99.99	0.00				0.00	point282	282	2,729.1	4,766.5	140.00	20.00	0.00	0	0		
									point188	188	3,090.0	4,363.4	140.00	20.00	0.00	0	0		
									point189	189	3,216.8	4,443.4	140.00	20.00					
Barrier20	W	0.00	99.99	0.00				0.00	point284	284	3,252.6	3,939.1	140.00	20.00	0.00	0	0		
									point191	191	3,470.2	3,738.0	140.00	20.00	0.00	0	0		
									point192	192	3,412.4	3,666.4	140.00	20.00	0.00	0	0		
									point193	193	3,475.8	3,614.0	140.00	20.00	0.00	0	0		
									point194	194	3,602.5	3,762.8	140.00	20.00					
Barrier21	W	0.00	99.99	0.00				0.00	point286	286	2,412.2	3,349.5	140.00	20.00	0.00	0	0		
									point202	202	2,503.1	3,222.7	140.00	20.00	0.00	0	0		
									point203	203	2,839.3	3,456.9	140.00	20.00	0.00	0	0		
									point204	204	2,751.1	3,592.0	140.00	20.00					
Barrier22	W	0.00	99.99	0.00				0.00	point289	289	3,021.1	3,760.0	140.00	20.00	0.00	0	0		
									point215	215	3,114.8	3,859.2	140.00	20.00	0.00	0	0		

INPUT: BARRIERS

10504

									point216	216	3,169.9	3,817.9	140.00	20.00	0.00	0	0		
									point217	217	3,065.2	3,702.2	140.00	20.00	0.00	0	0		
									point218	218	3,313.2	3,448.7	140.00	20.00	0.00	0	0		
									point219	219	3,376.6	3,514.8	140.00	20.00	0.00	0	0		
									point220	220	3,495.0	3,407.3	140.00	20.00					
Barrier23	W	0.00	99.99	0.00				0.00	point291	291	3,486.8	3,319.2	140.00	20.00	0.00	0	0		
									point196	196	3,530.9	3,266.8	140.00	20.00					
Barrier24	W	0.00	99.99	0.00				0.00	point292	292	3,169.9	3,217.2	140.00	20.00	0.00	0	0		
									point199	199	3,299.4	3,038.1	140.00	20.00					
Barrier25	W	0.00	99.99	0.00				0.00	point293	293	3,530.9	3,266.8	140.00	20.00	0.00	0	0		
									point197	197	3,676.9	3,415.6	140.00	20.00					
Barrier26	W	0.00	99.99	0.00				0.00	point295	295	2,842.0	3,583.7	140.00	20.00	0.00	0	0		
									point210	210	2,789.7	3,553.4	140.00	20.00					
Barrie27	W	0.00	99.99	0.00				0.00	point296	296	2,786.9	4,021.8	140.00	20.00	0.00	0	0		
									point212	212	2,968.8	4,121.0	140.00	20.00	0.00	0	0		
									point213	213	3,034.9	4,052.1	140.00	20.00					
Barrier28	W	0.00	99.99	0.00				0.00	point298	298	2,858.6	3,451.4	140.00	20.00	0.00	0	0		
									point206	206	3,004.6	3,534.1	140.00	20.00	0.00	0	0		
									point207	207	2,844.8	3,771.0	140.00	20.00	0.00	0	0		
									point208	208	2,756.6	3,704.9	140.00	20.00	0.00	0	0		
									point209	209	2,842.0	3,583.7	140.00	20.00					

RESULTS: SOUND LEVELS

10504

Dudek													
MG													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		10504											
RUN:		JAMS Perf Arts Center Yr 2022 pls Proj											
BARRIER DESIGN:		INPUT HEIGHTS											
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing	Type		With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal	
				Calculated	Crit'n	Calculated	Crit'n	Impact					
							Sub'l Inc						
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST1	11	1	0.0	45.9	66	45.9	10	----	45.9	0.0	8	-8.0	
ST2	12	1	0.0	62.5	66	62.5	10	----	62.5	0.0	8	-8.0	
ST3	13	1	0.0	63.7	66	63.7	10	----	63.7	0.0	8	-8.0	
ST4	14	1	0.0	62.3	66	62.3	10	----	62.3	0.0	8	-8.0	
M1	15	1	0.0	61.9	66	61.9	10	----	61.9	0.0	8	-8.0	
M2	16	1	0.0	68.6	66	68.6	10	Snd Lvl	68.6	0.0	8	-8.0	
M3	17	1	0.0	59.7	66	59.7	10	----	59.7	0.0	8	-8.0	
M4	18	1	0.0	60.3	66	60.3	10	----	60.3	0.0	8	-8.0	
M5	19	1	0.0	56.6	66	56.6	10	----	56.6	0.0	8	-8.0	
M6	21	1	0.0	57.0	66	57.0	10	----	57.0	0.0	8	-8.0	
M7	23	1	0.0	53.7	66	53.7	10	----	53.7	0.0	8	-8.0	
M8	25	1	0.0	66.1	66	66.1	10	Snd Lvl	66.1	0.0	8	-8.0	
M9	26	1	0.0	57.9	66	57.9	10	----	57.9	0.0	8	-8.0	
M10	27	1	0.0	58.3	66	58.3	10	----	58.3	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		14	0.0	0.0	0.0								
All Impacted		2	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								