

**DKA Planning** 

NOISE RECEPTOR MAP Weingart Affordable Housing Project Imagery via Google

## Wall Street Noise Report

8/8/2017

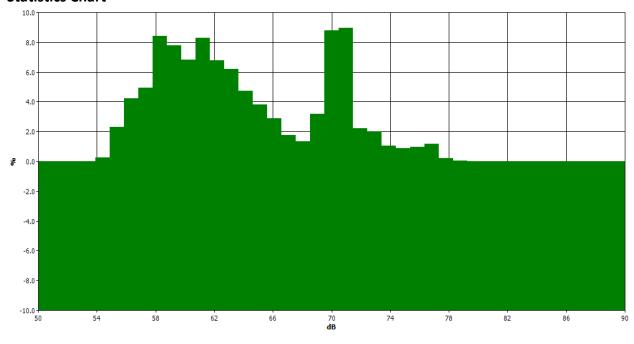
#### **Information Panel**

Name S468\_BIJ050019\_08082017\_085015
Start Time Monday, August 8, 2017, 11:36am
Stop Time Monday, August 8, 2017, 11:51am
Device Model Type SoundPro DL

#### **General Data Panel**

<u>Description</u>	<u>Meter</u>	<u>Value</u>	<u>Description</u>	<u>Meter</u>	<u>Value</u>
Leq	1	68.0dB	Exchange Rate	1	3dB
Weighting	1	Α	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	С	Response	2	SLOW

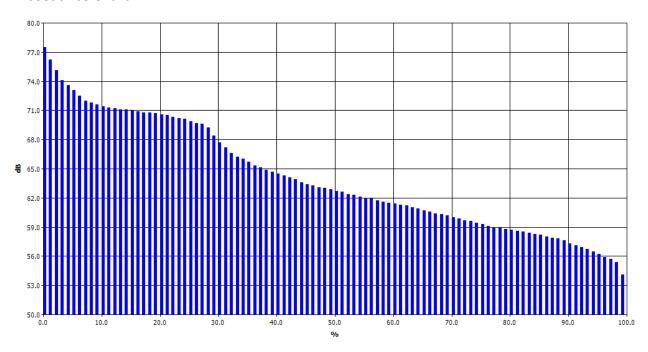
#### **Statistics Chart**



#### **Statistics Table**

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	0.00	0.00	0.01	0.03	0.02	0.01	0.01	0.02	0.05	0.11	0.24
55	0.21	0.11	0.13	0.15	0.11	0.16	0.28	0.42	0.42	0.32	2.31
56	0.48	0.46	0.24	0.37	0.34	0.38	0.44	0.44	0.53	0.54	4.22
57	0.57	0.56	0.44	0.39	0.33	0.30	0.43	0.48	0.65	0.78	4.93
58	0.73	0.62	0.85	0.85	0.96	0.89	0.95	0.89	0.88	0.77	8.40
59	0.97	1.21	0.84	0.76	0.74	0.63	0.67	0.67	0.64	0.66	7.80
60	0.62	0.64	0.68	0.64	0.89	0.75	0.76	0.69	0.58	0.57	6.82
61	0.67	0.75	0.69	0.88	0.97	0.98	0.87	0.80	0.76	0.90	8.28
62	0.97	0.88	0.69	0.43	0.64	0.58	0.64	0.57	0.74	0.66	6.78
63	0.74	0.85	0.83	0.68	0.62	0.59	0.56	0.54	0.39	0.39	6.20
64	0.43	0.49	0.53	0.46	0.47	0.43	0.44	0.48	0.51	0.50	4.75
65	0.59	0.57	0.55	0.25	0.33	0.32	0.31	0.26	0.33	0.30	3.80
66	0.40	0.34	0.41	0.34	0.25	0.22	0.25	0.28	0.21	0.18	2.88
67	0.17	0.17	0.18	0.17	0.18	0.20	0.18	0.19	0.17	0.13	1.74
68	0.18	0.17	0.16	0.10	0.14	0.12	0.13	0.12	0.11	0.12	1.35
69	0.14	0.13	0.11	0.14	0.17	0.21	0.43	0.56	0.94	0.35	3.18
70	0.62	0.47	0.81	0.94	0.70	0.64	0.87	1.02	1.24	1.48	8.80
71	0.95	1.40	1.55	0.85	0.98	0.82	0.67	0.63	0.59	0.50	8.94
72	0.45	0.32	0.22	0.21	0.16	0.12	0.20	0.22	0.17	0.17	2.24
73	0.13	0.19	0.21	0.19	0.20	0.18	0.21	0.35	0.20	0.14	1.99
74	0.13	0.14	0.14	0.10	0.11	0.10	0.08	0.08	0.09	0.09	1.05
75	0.13	0.09	0.09	0.08	0.11	0.07	0.05	0.09	0.10	0.08	0.88
76	0.11	0.14	0.11	0.09	0.07	0.08	0.09	0.10	0.09	0.09	0.96
77	0.06	0.06	0.06	0.03	0.06	0.12	0.16	0.16	0.22	0.24	1.18
78	0.15	0.01	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.20
79	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.06
80	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

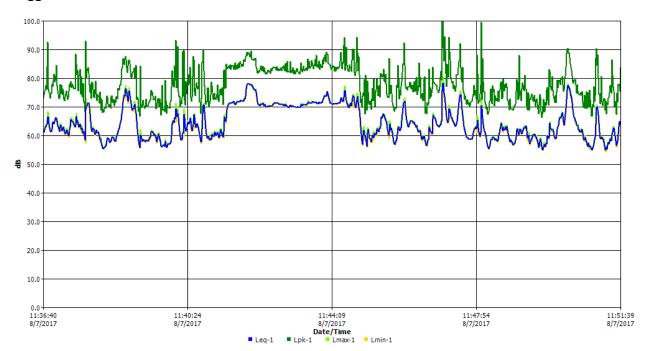
### **Exceedance Chart**



#### **Exceedance Table**

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		77.5	76.2	75.1	74.1	73.6	73.1	72.5	72	71.8
10%	71.6	71.4	71.3	71.2	71.1	71.1	71	70.9	70.8	70.8
20%	70.7	70.6	70.5	70.3	70.2	70.1	69.9	69.7	69.6	69.2
30%	68.4	67.7	67.2	66.6	66.2	66	65.7	65.3	65.1	64.9
40%	64.7	64.5	64.3	64.1	63.9	63.6	63.4	63.3	63.1	63
50%	62.9	62.7	62.6	62.4	62.3	62.1	62	61.9	61.7	61.6
60%	61.5	61.4	61.3	61.2	61	60.9	60.7	60.6	60.4	60.3
70%	60.2	60	59.9	59.7	59.6	59.4	59.3	59.1	59	58.9
80%	58.8	58.7	58.6	58.5	58.4	58.3	58.2	58	57.9	57.8
90%	57.6	57.3	57.1	56.9	56.7	56.5	56.2	55.9	55.7	55.4
100%	54.1									

#### **Logged Data Chart**



**Note:** This noise level was determined to be reasonably representative of baseline daytime ambient noise levels in the Project Area. Traffic, pedestrian activity, and other typical urban noise sources are roughly similar throughout the Project Area. Live monitoring of noise levels throughout the Project Area confirmed that noise levels at Project receptors generally fluctuate between 65 and 70 dBA.

### SITE 1

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

### SITE 2

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

### **Existing Attenuating Features**

#### SITE 1

Line of Sight	10
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	10

#### SITE 2

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

## **Unmitigated Construction Noise Level**

#### SITE 1

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	10
from Existing	10
Features	
G	0
Distance	400
Unmitigated	
Site 1	50.0
Construction	50.9
Noise	

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
G	0
Distance	85
Unmitigated	
Site 2	74.4
Construction	74.4
Noise	

## <u>SITE 1</u>

Unmitigated Construction	50.9
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	68.1
Level	
Unmitigated	0.1
Increase	0.1
	•

### SITE 2

Unmitigated	
Construction	74.4
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	75.3
Level	
Unmitigated	7.3
Increase	7.5

## **Unmitigated Receptor Noise Level - Both Sites Combined**

Unmitigated	74.4
Construction	74.4
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	75.3
Level	
Unmitigated	7.3
Increase	7.5

## SITE 1

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted dBA
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

## **Mitigated Construction Noise Level**

# <u>SITE 1</u>

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	10
from Existing	10
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	400
Mitigated	
Site 1	37.9
Construction	37.9
Noise	

## SITE 2

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted dBA	
Excavator	73.7	
Loader	72.1	
Combined		
dBA,	76.0	
Mitigated		

#### SITE 2

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	85
Mitigated	
Site 2	61.4
Construction	01.4
Noise	

### SITE 1

Mitigated Construction	37.9
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.0
Level	
Mitigated	0.0
Increase	0.0

#### SITE 2

Mitigated Construction	61.4
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.9
Level	
Mitigated	0.9
Increase	0.9

## **Mitigated Receptor Noise Level - Both Sites Combined**

Mitigated Construction	61.4
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.9
Level	
Mitigated	0.9
Increase	0.9

#### **Sources**

 ${\it Federal\ Highway\ Administration\ (FHWA),\ Construction\ Noise\ Handbook\ ,\ August\ 2006}$ 

Federal Transit Administration (FTA), Transit Noise and Vibration Assessment, May 2006

California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, September 2013

### SITE 1

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

#### SITE 2

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

### **Existing Attenuating Features**

#### SITE 1

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

#### SITE 2

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

## **Unmitigated Construction Noise Level**

#### SITE 1

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
G	0
Distance	85
Unmitigated	
Site 1	74.4
Construction	74.4
Noise	

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
G	0
Distance	130
Unmitigated	
Site 2	70.7
Construction	70.7
Noise	

## SITE 1

Unmitigated Construction Noise	74.4
Existing Ambient Noise	68.0
Unmitigated New Noise Level	75.3
Unmitigated Increase	7.3

### SITE 2

Unmitigated	
Construction	70.7
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	72.6
Level	
Unmitigated	1.6
Increase	4.6

## **Unmitigated Receptor Noise Level - Both Sites Combined**

Unmitigated Construction	75.9
	73.9
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	76.6
Level	
Unmitigated	8.6
Increase	8.0

## SITE 1

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted dBA
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

# **Mitigated Construction Noise Level**

## SITE 1

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	85
Mitigated	
Site 1	61.4
Construction	01.4
Noise	

## SITE 2

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted	
	dBA	
Excavator	73.7	
Loader	72.1	
Combined		
dBA,	76.0	
Mitigated		

#### SITE 2

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	130
Mitigated	
Site 2	E 7 7
Construction	57.7
Noise	

#### SITE 1

Mitigated Construction Noise	61.4
Existing Ambient	68.0
Noise	
Mitigated	
Mitigated	
New Noise	68.9
Level	
Mitigated	0.0
Increase	0.9

#### SITE 2

Mitigated	
Construction	57.7
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.4
Level	
Mitigated	0.4
Increase	0.4

### **Mitigated Receptor Noise Level - Both Sites Combined**

Mitigated Construction Noise	62.9
Existing Ambient Noise	68.0
Mitigated	
New Noise	69.2
Level	
Mitigated	1 2
Increase	1.2

#### Sources

 ${\it Federal\ Highway\ Administration\ (FHWA),\ Construction\ Noise\ Handbook\ ,\ August\ 2006}$ 

Federal Transit Administration (FTA), Transit Noise and Vibration Assessment, May 2006

California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, September 2013

### SITE 1

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

#### SITE 2

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

### **Existing Attenuating Features**

#### SITE 1

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

#### SITE 2

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

## **Unmitigated Construction Noise Level**

#### SITE 1

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
G	0
Distance	260
Unmitigated	
Site 1	64.7
Construction	64.7
Noise	

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
G	0
Distance	560
Unmitigated	
Site 2	F0 0
Construction	58.0
Noise	

## SITE 1

Unmitigated Construction Noise	64.7
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	69.7
Level	
Unmitigated	4 7
Increase	1.7
	·

### SITE 2

Unmitigated	100
Construction	58.0
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	68.4
Level	
Unmitigated	0.4
Increase	0.4

## **Unmitigated Receptor Noise Level - Both Sites Combined**

Unmitigated	
Construction	65.5
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	69.9
Level	
Unmitigated	1.0
Increase	1.9

## SITE 1

Source	Emission	Usage	Mitigation
Source	Level (dBA)	Factor	Milligation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted dBA
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

# **Mitigated Construction Noise Level**

# <u>SITE 1</u>

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	260
Mitigated	
Site 1	51.7
Construction	51.7
Noise	

## SITE 2

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	560
Mitigated	
Site 2	45.0
Construction	45.0
Noise	

#### SITE 1

Mitigated Construction	51.7
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.1
Level	
Mitigated	0.1
Increase	0.1

#### SITE 2

Mitigated	
Construction	45.0
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.0
Level	
Mitigated	0.0
Increase	0.0

### **Mitigated Receptor Noise Level - Both Sites Combined**

Mitigated Construction	52.5
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.1
Level	
	_
Mitigated	0.1
Increase	0.1

#### **Sources**

 $\label{lem:construction} \textit{Federal Highway Administration (FHWA)}, \textit{Construction Noise Handbook} \, , \, \textit{August 2006} \,$ 

Federal Transit Administration (FTA), Transit Noise and Vibration Assessment, May 2006

California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, September 2013

### SITE 1

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

### SITE 2

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

### **Existing Attenuating Features**

#### SITE 1

Line of Sight	5
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	5

#### SITE 2

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

# **Unmitigated Construction Noise Level**

#### SITE 1

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	F
from Existing	5
Features	
G	0
Distance	190
Unmitigated	
Site 1	62.4
Construction	62.4
Noise	

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
G	0
Distance	30
Unmitigated	
Site 2	70.0
Construction	79.0
Noise	

## SITE 1

Unmitigated Construction Noise	62.4
Existing Ambient Noise	68.0
Unmitigated New Noise Level	69.1
Unmitigated Increase	1.1

### SITE 2

Unmitigated Construction	79.0
Construction	79.0
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	79.3
Level	
Unmitigated	11.3
Increase	11.5

## **Unmitigated Receptor Noise Level - Both Sites Combined**

Unmitigated	
Construction	79.1
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	79.4
Level	
Unmitigated	11.4
Increase	11.4

### SITE 1

Source	Emission	Usage	Mitigation
Source	Level (dBA)	Factor	Milligation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted dBA
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

# **Mitigated Construction Noise Level**

### SITE 1

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	5
from Existing	5
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	190
Mitigated	
Site 1	49.4
Construction	49.4
Noise	

### SITE 2

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

#### SITE 2

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	30
Mitigated	
Site 2	66.0
Construction	66.0
Noise	

**Hotel Norbo: DEMOLITION AND GRADING** 

#### SITE 1

Mitigated Construction Noise	49.4
Existing	
Ambient	68.0
Noise	
Mitigated	
<b>New Noise</b>	68.1
Level	
Mitigated	0.1
Increase	0.1

#### SITE 2

Mitigated	
Construction	66.0
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	70.1
Level	
Mitigated	2.1
Increase	2.1

## **Mitigated Receptor Noise Level - Both Sites Combined**

Mitigated Construction	66.1
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	70.2
Level	
Mitigated	2.2
Increase	2.2

#### Sources

Federal Highway Administration (FHWA), Construction Noise Handbook, August 2006

Federal Transit Administration (FTA), Transit Noise and Vibration Assessment, May 2006

California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, September 2013

### SITE 1

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

#### SITE 2

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

### **Existing Attenuating Features**

#### SITE 1

Line of Sight	5
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	5

#### SITE 2

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

## **Unmitigated Construction Noise Level**

#### SITE 1

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	5
from Existing	5
Features	
G	0
Distance	215
Unmitigated	
Site 1	C1 2
Construction	61.3
Noise	

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
G	0
Distance	100
Unmitigated	
Site 2	72.0
Construction	73.0
Noise	

## SITE 1

Noise Existing		
Existing Ambient 68.0 Noise  Unmitigated New Noise 68.8 Level  Unmitigated . 0.8	Construction	61.3
Ambient 68.0 Noise Unmitigated New Noise 68.8 Level Unmitigated 0.8		
Noise Unmitigated New Noise 68.8 Level Unmitigated 0.8	Existing	
Unmitigated New Noise 68.8 Level Unmitigated 0.8	Ambient	68.0
New Noise 68.8 Level Unmitigated 0.8	Noise	
New Noise 68.8 Level Unmitigated 0.8		
Unmitigated 0.8	Unmitigated	
Unmitigated 0.8	New Noise	68.8
]. 0.8	Level	
]. 0.8		
]. 0.8	Unmitigated	
IIICICase	l. •	0.8
	iliciease	

### SITE 2

Unmitigated	72.0
Construction Noise	73.0
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	74.2
Level	
Unmitigated	6.2
Increase	0.2

## **Unmitigated Receptor Noise Level - Both Sites Combined**

Unmitigated Construction	73.3
	73.3
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	74.4
Level	
Unmitigated	6.4
Increase	0.4

## SITE 1

Source	Emission	Usage	Mitigation
Source	Level (dBA)	Factor	Milligation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted dBA
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

# **Mitigated Construction Noise Level**

## SITE 1

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	5
from Existing	5
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	215
Mitigated	
Site 1	48.3
Construction	46.3
Noise	

## SITE 2

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

## SITE 2

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	100
Mitigated	
Site 2	60.0
Construction	60.0
Noise	

#### SITE 1

Mitigated Construction Noise	48.3
Existing Ambient	68.0
Noise	
Mitigated New Noise Level	68.0
Mitigated Increase	0.0

#### SITE 2

Mitigated	
Construction	60.0
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.6
Level	
Mitigated	0.6
Increase	0.6

### **Mitigated Receptor Noise Level - Both Sites Combined**

Mitigated Construction Noise	60.3
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.7
Level	
Mitigated	0.7
Increase	0.7

#### **Sources**

 $\label{lem:construction} \textit{Federal Highway Administration (FHWA)}, \textit{Construction Noise Handbook} \, , \, \textit{August 2006} \,$ 

Federal Transit Administration (FTA), Transit Noise and Vibration Assessment, May 2006

California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, September 2013

### SITE 1

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

#### SITE 2

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

### **Existing Attenuating Features**

#### SITE 1

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

#### SITE 2

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

## **Unmitigated Construction Noise Level**

#### SITE 1

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
G	0
Distance	105
Unmitigated	
Site 1	72.6
Construction	72.6
Noise	

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	0
Features	
G	0
Distance	320
Unmitigated	
Site 2	62.0
Construction	62.9
Noise	

## SITE 1

Unmitigated Construction	72.6
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	73.9
Level	
Unmitigated	5.9
Increase	5.9

### SITE 2

Unmitigated Construction	62.9
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	69.2
Level	
Unmitigated	1.2
Increase	1.2

## **Unmitigated Receptor Noise Level - Both Sites Combined**

Unmitigated	72.0
Construction	73.0
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	74.2
Level	
Unmitigated	6.2
Increase	0.2

## SITE 1

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted dBA
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

# **Mitigated Construction Noise Level**

### SITE 1

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	105
Mitigated	
Site 1	59.6
Construction	59.0
Noise	

## SITE 2

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted dBA
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	320
Mitigated	
Site 2	49.9
Construction	49.9
Noise	

#### SITE 1

Mitigated Construction Noise	59.6
Existing Ambient Noise	68.0
Mitigated New Noise Level	68.6
Mitigated Increase	0.6

#### SITE 2

Mitigated	
Construction	49.9
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.1
Level	
Mitigated	0.1
Increase	0.1

### **Mitigated Receptor Noise Level - Both Sites Combined**

Mitigated Construction Noise	60.0
NOISC	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.6
Level	
Mitigated	0.6
Increase	0.6

#### **Sources**

Federal Highway Administration (FHWA), Construction Noise Handbook, August 2006

Federal Transit Administration (FTA), Transit Noise and Vibration Assessment, May 2006

California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, September 2013

### SITE 1

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

#### SITE 2

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

### **Existing Attenuating Features**

#### SITE 1

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

#### SITE 2

Line of Sight	10
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	10

## **Unmitigated Construction Noise Level**

#### SITE 1

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
G	0
Distance	30
Unmitigated	
Site 1	70.0
Construction	79.0
Noise	

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	10
from Existing	10
Features	
G	0
Distance	310
Unmitigated	
Site 2	F2 2
Construction	53.2
Noise	

## SITE 1

Unmitigated Construction Noise	79.0
Existing Ambient	68.0
Noise	
Unmitigated New Noise Level	79.3
Unmitigated Increase	11.3

### SITE 2

Unmitigated Construction	53.2
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	68.1
Level	
Unmitigated	0.1
Increase	0.1

## **Unmitigated Receptor Noise Level - Both Sites Combined**

Unmitigated Construction	79.0
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	79.3
Level	
Unmitigated	11.3
Increase	11.5

## SITE 1

Source	Emission	Usage	Mitigation
Source	Level (dBA)	Factor	Milligation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted dBA
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

# **Mitigated Construction Noise Level**

## SITE 1

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	30
Mitigated	
Site 1	66.0
Construction	66.0
Noise	

## SITE 2

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

## <u>SITE 2</u>

76.0
10
10
10
0
310
40.2
40.2

#### SITE 1

Mitigated Construction Noise	66.0
Existing Ambient Noise	68.0
Mitigated	
New Noise	70.1
Level	
Mitigated	2.1
Increase	2.1

#### SITE 2

Mitigated	
Construction	40.2
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	68.0
Level	
Mitigated	0.0
Increase	0.0

### **Mitigated Receptor Noise Level - Both Sites Combined**

Mitigated	66.0
Construction Noise	66.0
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	70.1
Level	
	_
Mitigated	2.1
Increase	2.1

#### **Sources**

 $\label{lem:construction} \textit{Federal Highway Administration (FHWA)}, \textit{Construction Noise Handbook} \, , \, \textit{August 2006} \,$ 

Federal Transit Administration (FTA), Transit Noise and Vibration Assessment, May 2006

California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, September 2013

### SITE 1

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

#### SITE 2

Source	Emission Level (dBA)	Usage Factor	Adjusted dBA
Excavator	80.7	0.4	76.7
Loader	79.1	0.4	75.1
		Total dBA	79.0

### **Existing Attenuating Features**

#### SITE 1

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

#### SITE 2

N/A	0
N/A	0
N/A	0
Row1	0
Row2	0
Tree1	0
Total	0

# **Unmitigated Construction Noise Level**

#### SITE 1

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
G	0
Distance	30
Unmitigated	
Site 1	70.0
Construction	79.0
Noise	

Total	
Equipment	79.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
G	0
Distance	80
Unmitigated	
Site 2	74.9
Construction	74.9
Noise	

## SITE 1

Unmitigated Construction	79.0
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	79.3
Level	
Unmitigated	11.3
Increase	11.3

### SITE 2

Unmitigated	74.0
Construction	74.9
Noise	
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	75.7
Level	
Unmitigated	7.7
Increase	7.7

## **Unmitigated Receptor Noise Level - Both Sites Combined**

Unmitigated Construction	80.4
Noise	00.1
Existing	
Ambient	68.0
Noise	
Unmitigated	
New Noise	80.7
Level	
Unmitigated	12.7
Increase	12.7

## SITE 1

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted dBA
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

# SITE 2

Source	Emission Level (dBA)	Usage Factor	Mitigation
Excavator	80.7	0.4	3
Loader	79.1	0.4	3

Source	Adjusted
	dBA
Excavator	73.7
Loader	72.1
Combined	
dBA,	76.0
Mitigated	

### **Mitigated Construction Noise Level**

### SITE 1

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	30
Mitigated	
Site 1	66.0
Construction	66.0
Noise	

## SITE 2

Total	
Equipment	76.0
Noise Level	
Total	
Shielding	0
from Existing	U
Features	
Sound	
Barrier	10
Shielding	
G	0
Distance	80
Mitigated	
Site 2	61.9
Construction	61.9
Noise	

# **Mitigated Receptor Noise Level - Each Site**

## SITE 1

Mitigated Construction Noise	66.0
Existing Ambient	68.0
Noise	
Mitigated	
New Noise	70.1
Level	
Mitigated	2.1
Increase	2.1

## SITE 2

Mitigated Construction	61.9
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	69.0
Level	
Mitigated	1.0
Increase	1.0

# **Mitigated Receptor Noise Level - Both Sites Combined**

Mitigated Construction	67.4
Noise	
Existing	
Ambient	68.0
Noise	
Mitigated	
New Noise	70.7
Level	
Mitigated	2.7
Increase	2.7

#### **Sources**

 $\label{thm:construction} \textit{Federal Highway Administration (FHWA)}, \textit{Construction Noise Handbook} \,, \, \textit{August 2006} \,$ 

Federal Transit Administration (FTA), Transit Noise and Vibration Assessment, May 2006

California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, September 2013

**DKA Planning**Weingart Project

## Weingart Projects - Unmitigated

Page 1

### **Construction Vibration - PPV**

**Receptor:** Volunteers of America - 543 Crocker St.

**Equipment:** Large Dozer, Caisson Drilling

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1.1
Distance (ft)	30
Unmitigated Vibration Level (in/sec)	0.073

**Receptor:** Weingart Center Association - 566 S. San Pedro St.

**Equipment:** Large Dozer, Caisson Drilling

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1.1
Distance (ft)	10
Unmitigated Vibration Level (in/sec)	0.244

**Receptor:** Hotel Norbo - 526 E. 6th St. **Equipment:** Large Dozer, Caisson Drilling

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1.1
Distance (ft)	30
Unmitigated Vibration Level (in/sec)	0.073

**Receptor:** Weingart Association Center Corporate Offices, 522 E. 6th St.

**Equipment:** Large Dozer, Caisson Drilling

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1.1
Distance (ft)	10
Unmitigated Vibration Level (in/sec)	0.244

#### Sources

California Department of Transportation (Caltrans), *Transportation and Construction Vibration Guidance Manual*, September 2013. Federal Transit Administration (FTA), *Transit Noise and Vibration Impact Assessment*, May 2006.

**DKA Planning**Weingart Projects

RESULTS: SOUND LEVELS		665 S. San Pedro													
DICA DI															
DKA Planning								13 April							
Noah Tanski								TNM 2.5							
								Calculat	ed wi	th TNM	2.5				
RESULTS: SOUND LEVELS															
PROJECT/CONTRACT:		665 S. S	San Pedr	O											
RUN:		X1: AM	Existing	+ Projec	ct										
BARRIER DESIGN:		INPUT	HEIGHT	S					Ave	erage p	avement type	shall be use	ed unless		
									a S	tate hig	hway agenc	y substantiat	es the us	е	
ATMOSPHERICS:		68 deg	F, 50% I	RH					of a	a differ	ent type with	approval of I	FHWA.		
Receiver															
Name	No.	#DUs	Existing	No Ba	arrier						With Barrier				
			LAeq1h	LAeq'	1h		Increase ove	r existing	Тур	ре	Calculated	Noise Redu	ction		
				Calcu	lated	Crit'n	Calculated	Crit'n	lmp	pact	LAeq1h	Calculated	Goal	Calcu	lated
								Sub'l Ind	;					minu	S
														Goal	
			dBA	dBA		dBA	dB	dB			dBA	dB	dB	dB	
NB Los Angeles N of 6th	1	1	C	0.0	69.8	3 6	6 69.	8 ′	10 S	nd Lvl	69.8	0.0	)	8	-8.0
SB Los Angeles N of 6th	2	1	C	0.0	67.7	7 6	6 67.	7	10 S	nd Lvl	67.7	0.0	כ	8	-8.0
Dwelling Units		# DUs	Noise F	Reductio	n										
			Min	Avg		Max									
			dB	dB		dB									
All Selected		2	C	0.0	0.0	0.	0								
All Impacted		2	C	0.0	0.0	0.	0								
All that meet NR Goal		0	C	0.0	0.0	0.	0								

RESULTS: SOUND LEVELS	665 S. San	Pedro											
DKA Planning							13 April 20	018					
Noah Tanski							TNM 2.5						
							Calculated	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S.	San Pedro										
RUN:		X1: AM	Existing										
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unless	5	
								a State hi	ghway agenc	y substantiate	s the us	se .	
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion	-	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ted
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
NB Los Angeles N of 6th	1	1	0.0	69.	7 66	69.7	10	Snd Lvl	69.7	0.0		8	-8.0
SB Los Angeles N of 6th	2	2 1	0.0	67.	6 66	67.6	10	Snd Lvl	67.6	0.0		8	-8.0
Dwelling Units		# DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	9.0	0.0	0.0	)		i					
All Impacted		2	0.0	0.	0.0	)							
All that meet NR Goal		0	0.0	0.	0.0	)							

RESULTS: SOUND LEVELS		665 S. San	an Pedro									
DKA Planning							13 April 2	│ 018				
Noah Tanski							TNM 2.5					
								d with TNN	1 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		665 S.	San Pedro									
RUN:		X1: AM	Future + F	Project								
BARRIER DESIGN:		INPUT	HEIGHTS	-				Average	pavement type	e shall be use	ed unless	
									ghway agenc			)
ATMOSPHERICS:		68 deg	F, 50% RF	l					ent type with			
Receiver								-			+	
Name	No.	#DUs	Existing	No Barrier					With Barrier			
				LAeq1h		Increase over existing		Туре	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
NB Los Angeles N of 6th	,	1 1	0.0	71.0	) 60	6 71.0	0 10	Snd Lvl	71.0	0.0	)	8 -8.0
SB Los Angeles N of 6th	2	2 1	0.0	69.2	2 6	6 69.2	2 10	Snd Lvl	69.2	2 0.0	)	8 -8.0
Dwelling Units		# DUs	Noise Re	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0	0						
All Impacted		2	0.0	0.0	0.0	0						
All that meet NR Goal		C	0.0	0.0	0.0	0						

RESULTS: SOUND LEVELS		665 S. San	665 S. San Pedro										
DICA Diseases							40.4						
DKA Planning							13 April 20	J18					
Noah Tanski							TNM 2.5						
							Calculated	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S. S	San Pedro										ŀ
RUN:		X1: AM	Future										
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unles	ss	
								a State hi	ghway agency	y substantiate	es the u	ise	
ATMOSPHERICS:		68 deg	F, 50% RH						ent type with	=			!
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
		LAeq1h		LAeq1h		Increase over	existing	Type	Calculated	Noise Reduc	se Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcul	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
NB Los Angeles N of 6th	1	1 1	0.0	71.	0 60	71.0	10	Snd Lvl	71.0	0.0		8	-8.0
SB Los Angeles N of 6th	2	2 1	0.0	69.	2 60	69.2	2 10	Snd Lvl	69.2	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.	0.0	D							
All Impacted		2	0.0	0.	0.0	D							
All that meet NR Goal		0	0.0	0.	0.0	)							

RESULTS: SOUND LEVELS		665 S. San Pedro													
DKA Planning									13 April 2	018					
Noah Tanski									TNM 2.5						
									Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS															
PROJECT/CONTRACT:		665 S. S	San Ped	ro											
RUN:		X1: PM	Existing	y + Proje	ct										
BARRIER DESIGN:		INPUT	HEIGHT	S						Average p	pavement type	e shall be use	ed unless		
										a State hi	ghway agenc	y substantiat	es the us	е	
ATMOSPHERICS:		68 deg	F, 50%	RH						of a differ	ent type with	approval of I	FHWA.		
Receiver															
Name	No.	#DUs	Existing	g No B	arrier						With Barrier				
			LAeq1h	LAeq	1h		Increase	over	existing	Type	Calculated	Noise Redu	ction		
				Calcu	ılated	Crit'n	Calculate	ed	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcu	lated
									Sub'l Inc					minus	;
														Goal	
			dBA	dBA		dBA	dB		dB		dBA	dB	dB	dB	
NB Los Angeles N of 6th	1	1	(	0.0	70.0	) 6	6	70.0	10	Snd Lvl	70.0	0.0	)	8	-8.0
SB Los Angeles N of 6th	2	1	(	0.0	69.0	) 6	6	69.0	10	Snd Lvl	69.0	0.0	ס	8	-8.0
Dwelling Units		# DUs	Noise I	Reductio	n										
			Min	Avg		Max									
			dB	dB		dB									
All Selected		2	(	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								

RESULTS: SOUND LEVELS							665 S. San	Pedro					
DKA Planning							13 April 20	018					
Noah Tanski							TNM 2.5						
							Calculated	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S.	San Pedro										
RUN:		X1: PM	Existing										
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unles	s	
								a State hi	ghway agenc	y substantiate	es the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH	ĺ				of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	ction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ited
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
NB Los Angeles N of 6th	1	1	0.0	70.	0 66	70.0	10	Snd Lvl	70.0	0.0	)	8	-8.0
SB Los Angeles N of 6th	2	2 1	0.0	69.	0 66	69.0	10	Snd Lvl	69.0	0.0	)	8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	9.0	0.	0.0	)		i					
All Impacted		2	0.0	0.	0.0	)							
All that meet NR Goal		0	0.0	0.	0.0	)							

RESULTS: SOUND LEVELS			7				665 S. San	Pedro				
DKA Planning							13 April 2	│ 018				
Noah Tanski							TNM 2.5					
10011								d with TNN	1 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		665 S.	San Pedro									
RUN:		X1: PM	Future + P	roject								
BARRIER DESIGN:			HEIGHTS	•				Average i	oavement type	shall be use	ed unless	
									ghway agenc			<b>;</b>
ATMOSPHERICS:		68 deg	F, 50% RF	l					ent type with			
Receiver								-			+	
Name	No.	#DUs	Existing	No Barrier					With Barrier	_		
			LAeq1h	LAeq1h		Increase ove	r existing	Туре	Calculated	Noise Reduc	ction	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
NB Los Angeles N of 6th	,	1 1	0.0	71.	6 6	6 71.0	6 10	Snd Lvl	71.6	0.0	)	8 -8.0
SB Los Angeles N of 6th	2	2 1	0.0	70.	4 6	6 70.4	4 10	Snd Lvl	70.4	0.0	)	8 -8.0
Dwelling Units		# DUs	Noise Re	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0 0.	0						
All Impacted		2	0.0	0.0	0 0.	0						
All that meet NR Goal		C	0.0	0.0	0 0.	0						

RESULTS: SOUND LEVELS							665 S. San	Pedro					
DKA Planning							13 April 20	)18					
Noah Tanski							TNM 2.5						
							Calculated	with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S.	San Pedro										
RUN:		X1: PM	Future										
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unles	s	
								a State hi	ghway agency	y substantiate	s the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier		,		
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion	-	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ited
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
NB Los Angeles N of 6th	1	1	0.0	71.	5 66	71.5	10	Snd Lvl	71.5	0.0	)	8	-8.0
SB Los Angeles N of 6th	2	2 1	0.0	70.4	4 66	70.4	10	Snd Lvl	70.4	0.0		8	-8.0
Dwelling Units		# DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0	)							
All Impacted		2	0.0	0.0	0.0	)							
All that meet NR Goal		0	0.0	0.0	0.0	)							

RESULTS: SOUND LEVELS				·		1		665 S. San	Pedro				
DKA Planning								13 April 20	118				
Noah Tanski								TNM 2.5	, 10				
Noan Tanski													
								Calculated	with IN	M 2.5			
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S.	San Pedro	0									
RUN:		X2: AN	I Existing	+ Project									
BARRIER DESIGN:		INPUT	HEIGHTS	3					Average	pavement typ	e shall be us	ed unless	
										ighway agenc			)
ATMOSPHERICS:		68 deg	F, 50% F	RH						rent type with	=		
Receiver													
Name	No.	#DUs	Existing	No Bar	rier					With Barrier	•		
			LAeq1h	LAeq1h	1		Increase ove	er existing	Туре	Calculated	Noise Redu	ction	-
			_	Calcula	ted	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
								Sub'l Inc	•	•			minus
													Goal
			dBA	dBA		dBA	dB	dB		dBA	dB	dB	dB
EB 6th St E of San Pedro	,	1 1	1 0	.0	63.3	3 6	63.	.3 10		63.3	3 0.0	O	8 -8.
Dwelling Units		# DUs	Noise R	eduction									
			Min	Avg		Max							
			dB	dB		dB							
All Selected		1	1 0	.0	0.0	0	.0						
All Impacted		(	0	.0	0.0	0	.0						
All that meet NR Goal		(	0	.0	0.0	0	.0						

RESULTS: SOUND LEVELS							665 S. San	Pedro				1	
DKA Planning							13 April 2	018					
Noah Tanski							TNM 2.5						
							Calculate	d with TNI	M 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S.	San Pedro										
RUN:		X2: AM	Existing										
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	e shall be use	d unles	S	1
									ighway agenc				
ATMOSPHERICS:		68 deg	F, 50% RH						rent type with				
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier	,			
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	ction	-	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ted
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
EB 6th St E of San Pedro		1 1	0.0	62.	7 6	6 62.7	7 10		62.7	0.0	)	8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		1	0.0	0.0	0.0	0							
All Impacted		C	0.0	0.0	0.0	0							
All that meet NR Goal		C	0.0	0.0	0.0	0							

RESULTS: SOUND LEVELS								<u> </u>	665 S. San	Pedro	7				
DKA Planning									13 April 2	 018					
Noah Tanski									TNM 2.5	010					
Noali Taliski									Calculated	d with TAIR	105				
RESULTS: SOUND LEVELS									Calculated	 	11 2.5				
PROJECT/CONTRACT:		665 S.	San Pedi	o											
RUN:		X2: AN	I Future +	⊦ Pr	roject										
BARRIER DESIGN:			HEIGHT		•					Average	pavement typ	e shall be use	ed unless		
				_							ghway agenc			1	
ATMOSPHERICS:		68 deg	F, 50% l	RH							ent type with	=			
Receiver															
Name	No.	#DUs	Existing	9	No Barrier						With Barrier				
			LAeq1h		LAeq1h			Increase over	rexisting	Туре	Calculated	Noise Redu	ction	-	
					Calculated	Crit'n		Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ted
									Sub'l Inc					minus	
														Goal	
			dBA		dBA	dBA		dB	dB		dBA	dB	dB	dB	
EB 6th St E of San Pedro	,	1 ′	1 (	0.0	67.0	)	66	67.0	) 10	Snd Lvl	67.0	0.0	)	8	-8.
Dwelling Units		# DUs	Noise F	Red	luction										
			Min		Avg	Max									
			dB		dB	dB									
All Selected		_	1 (	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	)							

RESULTS: SOUND LEVELS				·			665 S. San	Pedro					
							40.4 !! 04						
DKA Planning							13 April 20	)18					
Noah Tanski							TNM 2.5						
							Calculated	with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S.	San Pedro										
RUN:		X2: AM	Future										
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement typ	e shall be use	d unles	s	
										y substantiate			
ATMOSPHERICS:		68 deg	F, 50% RH							approval of F			
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
EB 6th St E of San Pedro		1 1	0.0	66.7	7 66	66.7	7 10	Snd Lvl	66.7	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		1	0.0	0.0	0.0	D							
All Impacted		1	0.0	0.0	0.0	D							
All that meet NR Goal		C	0.0	0.0	0.0	D							

RESULTS: SOUND LEVELS				1			665 S. San	Pedro				
DKA Planning							13 April 20	) )18				
Noah Tanski							TNM 2.5					
							Calculated	with TNN	1 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		665 S.	San Pedro									
RUN:		X2: PM	Existing +	Project								
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unless	
								a State hi	ghway agenc	y substantiate	s the use	Э
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
EB 6th St E of San Pedro		1 1	0.0	67.4	4 66	67.4	10	Snd Lvl	67.4	0.0		8 -8.0
Dwelling Units		# DUs	Noise Re	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		1	0.0	0.0	0.0	D						
All Impacted		1	0.0	0.0	0.0	D						
All that meet NR Goal		C	0.0	0.0	0.0	)						

RESULTS: SOUND LEVELS							665 S. San	Pedro					
DKA Planning							13 April 2	 018					
Noah Tanski							TNM 2.5						
10011							Calculated	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S.	San Pedro										
RUN:		X2: PM	Existing										
BARRIER DESIGN:			HEIGHTS					Average	pavement typ	e shall be use	ed unles	s	I
										y substantiat			
ATMOSPHERICS:		68 deg	F, 50% RH	l						approval of I			
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier	r .			
			LAeq1h	LAeq1h		Increase ove	er existing	Туре	Calculated	Noise Redu	ction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculate	d
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
EB 6th St E of San Pedro	1	1 1	0.0	67.	2	66 67.	2 10	Snd Lvl	67.2	2 0.0	)	8 -	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		1	0.0	0.	0 (	0.0							
All Impacted		1	0.0	0.	0 (	0.0							
All that meet NR Goal		C	0.0	0.	0 (	0.0							

RESULTS: SOUND LEVELS									665 S. San	Pedro			1		
DKA Planning									13 April 20	118					
Noah Tanski									TNM 2.5	,10					
Noali Taliski									Calculated	l with TNI	125				
RESULTS: SOUND LEVELS									Calculated		1 2.5				
PROJECT/CONTRACT:		665 S.	San Pedi	o											
RUN:		X2: PM	Future +	- Pr	roject										
BARRIER DESIGN:			HEIGHT		•					Average i	pavement typ	e shall be use	ed unless		
				_							ghway agenc			1	
ATMOSPHERICS:		68 deg	F, 50% l	RH							ent type with	=			
Receiver															
Name	No.	#DUs	Existing	<b>j</b>	No Barrier						With Barrier				
			LAeq1h		LAeq1h			Increase over	existing	Туре	Calculated	Noise Redu	ction		
					Calculated	Crit'n		Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
									Sub'l Inc	-	-			minus	
														Goal	
			dBA		dBA	dBA		dB	dB		dBA	dB	dB	dB	
EB 6th St E of San Pedro	,	1 ′	1 (	0.0	69.4	1	66	69.4	1 10	Snd Lvl	69.4	0.0	)	8	-8.0
Dwelling Units		# DUs	Noise F	Red	luction										
			Min		Avg	Max									
			dB		dB	dB									
All Selected		_	1 (	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	)							

RESULTS: SOUND LEVELS		-r	·	Y.			665 S. San	Pedro	<u>Y</u>			
DKA Planning							13 April 20	 018				
Noah Tanski							TNM 2.5					
							Calculated	d with TNN	1 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		665 S.	San Pedro									
RUN:		X2: PM	Future									
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement typ	e shall be use	d unless	
								a State hi	ghway agenc	y substantiate	s the use	е
ATMOSPHERICS:		68 deg	F, 50% RH	ĺ				of a differ	ent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over	rexisting	Туре	Calculated	Noise Reduc	tion	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
EB 6th St E of San Pedro	•	1 1	0.0	69	.3 6	69.3	3 10	Snd Lvl	69.3	0.0		8 -8.0
Dwelling Units		# DUs	Noise Re	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		1	0.0	0	.0 0.	0						
All Impacted		1	0.0	0	.0 0.	0						
All that meet NR Goal		C	0.0	0	.0 0.	.0						

RESULTS: SOUND LEVELS							665 S. Sar	Pedro St	<b>!.</b>				
DKA Planning							13 April 2	018					
Noah Tanski							<b>TNM 2.5</b>						
							Calculate	d with TN	M 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S.	San Pedro	St.									
RUN:		X3: AM	Existing +	Project									
BARRIER DESIGN:		INPUT	HEIGHTS	_				Average	pavement typ	e shall be use	d unles	ss	
									nighway agend				
ATMOSPHERICS:		68 deg	F, 50% RH						erent type with				
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrie	r			
			LAeq1h	LAeq1h		Increase over	existing	Type	Calculated	Noise Reduc	ction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcu	ulated
							Sub'l Inc					minu	s
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
NB San Pedro N of 6th		1 1	0.0	64.6	6	64.6	3 10		64.6	0.0	)	8	-8.0
SB San Pedro N of 6th	2	2 1	0.0	65.1	(	65.1	1 10		65.	0.0	)	8	-8.0
Dwelling Units		# DUs	Noise Re	duction									-
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0	.0							
All Impacted		C	0.0	0.0	0	.0							

0.0

0.0

0.0

RESULTS: SOUND LEVELS							665 S. San	Pedro St.					
DKA Planning							13 April 2	018					
Noah Tanski							TNM 2.5						
							Calculate	d with TNI	<b>/</b> 1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S.	San Pedro	St.									
RUN:		X3: AM	Existing										
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement type	shall be use	d unless	;	
								-	ighway agenc				
ATMOSPHERICS:		68 deg	F, 50% RH						rent type with	•			
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier		-		
			LAeq1h	LAeq1h		Increase over	existing	Type	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
NB San Pedro N of 6th	1	1	0.0	64.5	66	64.5	10		64.5	0.0		8	-8.0
SB San Pedro N of 6th	2	2 1	0.0	65.0	66	65.0	10		65.0	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction									-
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	2 0.0	0.0	0.0	)							
			-	-	0.0								

0.0

0.0

All that meet NR Goal

13

All Selected		2	2 0.0	0	.0	0.0								
			dB	dB	dB									
<b>3</b>			Min	Avg	Max									
Dwelling Units		# DUs	Noise Re	duction										
SB San Pedro N of 6th	2	2 1	0.0	66	.2	66	66.2	10	Snd Lvl	66.2	0.0		8	-8
NB San Pedro N of 6th	1	1 1	0.0	65	.9	66	65.9	10		65.9	0.0		8	-8
			dBA	dBA	dBA		dB	dB		dBA	dB	dB	dB	
													Goal	
								Sub'l Inc					minu	IS
				Calculated	Crit'n		Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calc	ulated
			LAeq1h	LAeq1h			Increase over	existing	Туре	Calculated	Noise Reduc	tion		
Name	No.	#DUs	Existing	No Barrier						With Barrier	,	<u></u>		
Receiver														
ATMOSPHERICS:		68 deg	F, 50% RH	 							approval of F			
		01									y substantiat			
BARRIER DESIGN:			HEIGHTS	. 0,000					Average	navement typ	e shall be use	d unles	S	
RUN:			Future + P											
PROJECT/CONTRACT:		665 9	San Pedro	C+										
RESULTS: SOUND LEVELS								Calculate	d with TNN	1 2.5				
Noah Tanski								TNM 2.5						
DKA Planning								13 April 2	018					
RESULTS: SOUND LEVELS								665 S. San	Pedro St.					

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All Impacted

RESULTS: SOUND LEVELS							665 S. San	Pedro St.					
DKA Planning							13 April 2	│ 018					
Noah Tanski							TNM 2.5						
							Calculate	d with TNM	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S.	San Pedro	St.									
RUN:		X3: AM	Future										
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	pavement type	shall be use	d unless	;	
									ghway agenc				
ATMOSPHERICS:		68 deg	F, 50% RH						ent type with	=			
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier		-		
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
NB San Pedro N of 6th	1	1	0.0	65.8	8 66	65.8	3 10		65.8	0.0		8	-8.0
SB San Pedro N of 6th	2	1	0.0	66.2	2 66	66.2	2 10	Snd Lvl	66.2	0.0		8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	2 0.0	0.0	0.0	D							
			-	-		_							

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All that meet NR Goal

RESULTS: SOUND LEVELS							(	665 S. San	Pedro St.					
								O. Jan	. 50.0 50.					
DKA Planning								13 April 2	018					
Noah Tanski								TNM 2.5						
								Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS														
PROJECT/CONTRACT:		665 S. S	San Pedro	St.										
RUN:		X3: PM	Existing +	Project										
BARRIER DESIGN:		INPUT	HEIGHTS						Average p	pavement type	shall be use	d unless		
									a State hi	ghway agency	y substantiate	s the use		
ATMOSPHERICS:		68 deg	F, 50% RH	1					of a differ	ent type with	approval of F	HWA.		
Receiver														
Name	No.	#DUs	Existing	No Barrier						With Barrier				
			LAeq1h	LAeq1h		ln	ncrease over	existing	Type	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	C	alculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ted
								Sub'l Inc					minus	
													Goal	
			dBA	dBA	dBA	dE	В	dB		dBA	dB	dB	dB	
NB San Pedro N of 6th	1	1	0.0	66.4	4 (	66	66.4	10	Snd Lvl	66.4	0.0	;	3	-8.0
SB San Pedro N of 6th	2	1	0.0	65.9	9 (	66	65.9	10		65.9	0.0		3	-8.0
Dwelling Units		# DUs	Noise Re	duction										
			Min	Avg	Max									
			dB	dB	dB									
All Selected		2	0.0	0.0	0 0	0.0								
		1	1	1	_									

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All Impacted

RESULTS: SOUND LEVELS							665 S. San	Pedro St.					
DKA Planning							13 April 2	│ 018					
Noah Tanski							TNM 2.5						
							Calculate	d with TNM	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S. S	San Pedro	St.									
RUN:		X3: PM	Existing										
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	avement type	shall be use	d unless		
								a State hig	ghway agency	y substantiate	s the use		
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion	-	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ted
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
NB San Pedro N of 6th	1	1	0.0	66.4	1 60	66.4	10	Snd Lvl	66.4	0.0	8	3	-8.0
SB San Pedro N of 6th	2	1	0.0	65.9	9 60	65.9	10		65.9	0.0	3	3	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0	1							

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All Impacted

All that meet NR Goal

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RESULTS: SOUND LEVELS			1				665 S. San	Pedro St.	1				
DKA Planning							13 April 2	018					
Noah Tanski							TNM 2.5						
							Calculate	d with TNN	l 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		665 S. S	San Pedro	St.									
RUN:		X3: PM	Future + F	Project									
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	avement typ	e shall be use	d unles	3S	
										y substantiat			
ATMOSPHERICS:		68 deg	F, 50% RH	ł						approval of F			
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier	•			
			LAeq1h	LAeq1h		Increase over	r existing	Туре	Calculated	Noise Reduc	ction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcul	ated
							Sub'l Inc					minus	i
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
NB San Pedro N of 6th	1	1 1	0.0	67.6	6	67.6	6 10	Snd Lvl	67.6	0.0		8	-8.0
SB San Pedro N of 6th	2	2 1	0.0	67.2	2	66 67.2	2 10	Snd Lvl	67.2	0.0	)	8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0 0	0.0							
All Impacted		2	0.0	0.0		0.0		i					

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RESULTS: SOUND LEVELS						·	665 S. San	Pedro St.	·		1		
DKA Planning							13 April 2	 018					
Noah Tanski							TNM 2.5						
							Calculate	d with TNM	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:	(	665 S. S	San Pedro	St.									
RUN:		X3: PM	Future										
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	avement type	shall be use	d unless		
								a State hig	ghway agenc	y substantiate	s the use	)	
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier		-		
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculat	ed
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
NB San Pedro N of 6th	1	1	0.0	67.6	66	67.6	10	Snd Lvl	67.6	0.0		8	-8.0
SB San Pedro N of 6th	2	1	0.0	67.1	66	67.1	10	Snd Lvl	67.1	0.0		8	-8.0
Dwelling Units		# DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0	)							
All Impacted		2	0.0	0.0	0.0	)							

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All that meet NR Goal

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