Appendix I Noise Assumptions and Modeling

Exhibit A Ambient Noise Data

LxT_Data.237.s File Name on Meter

LxT_0004983-20230503 125209-LxT_Data.237.ldbin File Name on PC

0004983 Serial Number Model SoundTrack LxT® Firmware Version 2.404

User Location Job Description Note

Measureme

Description

Start 2023-05-03 12:52:09 Stop 2023-05-03 13:12:09 00:20:00.0 Duration Run Time 00:20:00.0 00:00:00.0

2023-05-02 06:54:42 Pre-Calibration Post-Calibration None **Calibration Deviation**

Overall Settings RMS Weight A Weighting Peak Weight Z Weighting Detector Slow Preamplifier PRMLxT1 Microphone Correction Off Integration Method Exponential

Overload 143.3 dB

A 99.3 **C** 96.3 **Z 101.3** dB **Under Range Peak** Under Range Limit 36.5 36.2 43.2 dB Noise Floor 27.4 34.1 dB

> First Third Second

Instrument Identification

Results

LZpeak > 140.0 dB

LASeq 66.8 LASE 97.6 EAS $633.998~\mu Pa^2h$ EAS8 15.216 mPa²h 76.080 mPa²h EAS40

LZpeak (max) 2023-05-03 12:58:30 103.0 dB 2023-05-03 13:11:44 80.3 dB LASmin 2023-05-03 13:07:16 48.8 dB

99.9 **dB** SEA

Exceedance Counts Duration LAS > 85.0 dB 0.0 s LAS > 115.0 dB 0 0.0 s LZpeak > 135.0 dB 0.0 s 0 LZpeak > 137.0 dB 0 0.0 s

0

66.8 dB

74.7 dB LCSeq LASeq 66.8 dB LCseq - Laseq 8.0 dB LAleq 68.5 dB

LAeq LAleq - LAeq

1.7 dB С Z Α dB Time Stamp dB Time Stamp dB Time Stamp 66.8 Leq Ls(max) 80.3 2023/05/03 13:11:44 Ls(min) 48.8 2023/05/03 13:07:16 103.0 2023/05/03 12:58:30

0.0 s

0 Overload Count Overload Duration 0.0 s

Dose Settings OSHA-1 OSHA-2 **Dose Name Exchange Rate** 5 5 dB Threshold 90 80 dB **Criterion Level** 90 90 dB **Criterion Duration** 8 8 h

Results 0.00 % **Projected Dose** 0.01 % TWA (Projected) 22.4 dB TWA (t) -0.5 dB 53.0 53.0 dB Lep (t)

Statistics LAS 5.00

73.3 dB LAS 10.00 71.3 dB LAS 33.30 64.8 dB LAS 50.00 61.6 dB LAS 66.60 58.9 dB LAS 90.00 54.1 dB

LxT_Data.235.s File Name on Meter

LxT_0004983-20230503 114114-LxT_Data.235.ldbin File Name on PC

0004983 Serial Number SoundTrack LxT® Model Firmware Version 2.404

Location Job Description

Note

Pause

User

Measureme

Description Start 2023-05-03 11:41:14 Stop 2023-05-03 12:01:14 00:20:00.0 Duration Run Time 00:20:00.0

2023-05-02 06:54:42 Pre-Calibration Post-Calibration None **Calibration Deviation**

Overall Settings RMS Weight A Weighting Peak Weight Z Weighting Detector Slow Preamplifier PRMLxT1 Microphone Correction Off Integration Method Exponential

Overload 143.3 dB

A 99.3 **C** 96.3 **Z 101.3** dB **Under Range Peak** Under Range Limit 36.5 36.2 43.2 dB Noise Floor 27.4 34.1 dB

00:00:00.0

First Third Second

Instrument Identification

Results

LASeq 64.5 LASE 95.3 EAS $376.555~\mu Pa^2h$ EAS8 9.037 mPa²h 45.187 mPa²h EAS40

LZpeak (max) 2023-05-03 11:41:44 100.0 dB 2023-05-03 12:01:06 LASmin 2023-05-03 11:43:27 46.6 dB

99.9 **dB** SEA

Duration **Exceedance Counts** LAS > 85.0 dB 0.0 s LAS > 115.0 dB 0 0.0 s LZpeak > 135.0 dB 0

0.0 s LZpeak > 137.0 dB 0 0.0 s LZpeak > 140.0 dB 0 0.0 s

71.9 dB LCSeq LASeq 64.5 dB LCseq - Laseq 7.4 dB LAleq 67.6 dB LAeq LAleq - LAeq 64.5 dB 3.1 dB

С Z Α dB Time Stamp dB Time Stamp dB Time Stamp 64.5 Leq Ls(max) 77.5 2023/05/03 12:01:06 Ls(min) 46.6 2023/05/03 11:43:27 100.0 2023/05/03 11:41:44

0 Overload Count Overload Duration 0.0 s

Dose Settings

OSHA-1 OSHA-2 **Dose Name Exchange Rate** 5 5 dB Threshold 90 80 dB **Criterion Level** 90 90 dB **Criterion Duration** 8 8 h

Results **Projected Dose** -99.94 **%** TWA (Projected) -99.9 dB -99.9 dB TWA (t) 50.7 50.7 dB Lep (t)

Statistics LAS 5.00

70.7 dB 69.1 dB LAS 10.00 LAS 33.30 62.9 dB LAS 50.00 59.5 dB LAS 66.60 56.4 dB LAS 90.00 51.7 dB

File Name on Meter LxT_Data.236.s

LxT_0004983-20230503 122206-LxT_Data.236.ldbin 0004983 File Name on PC

Serial Number Model SoundTrack LxT® Firmware Version 2.404

User Location Job Description Note

Measuremen Description

Start 2023-05-03 12:22:06 Stop 2023-05-03 12:42:06 00:20:00.0 Duration Run Time 00:20:00.0 Pause 00:00:00.0

2023-05-02 06:54:42 Pre-Calibration Post-Calibration None **Calibration Deviation**

Overall Settings RMS Weight A Weighting Peak Weight Z Weighting Detector Slow Preamplifier PRMLxT1 Microphone Correction Off Integration Method Exponential

Overload 143.3 dB

A 99.3 **C** 96.3 **Z 101.3** dB **Under Range Peak** Under Range Limit 36.5 36.2 43.2 dB Noise Floor 27.4 34.1 dB

> First Third Second

Instrument Identification

Results

LASeq 68.8 LASE 99.6 EAS 1.012 mPa²h 24.288 mPa²h 121.440 mPa²h EAS8 EAS40

2023-05-03 12:23:36 LZpeak (max) 112.6 dB 2023-05-03 12:23:34 86.7 dB LASmin 2023-05-03 12:25:31 45.0 dB

SEA 99.9 dB

Exceedance Counts 3.3 s LAS > 85.0 dB LAS > 115.0 dB 0 0.0 s LZpeak > 135.0 dB 0.0 s 0 LZpeak > 137.0 dB 0.0 s 0 LZpeak > 140.0 dB 0 0.0 s

74.7 dB LCSeq LASeq 68.8 dB LCseq - Laseq 5.9 dB LAleq 70.9 dB LAeq LAleq - LAeq 68.8 dB 2.1 dB

С Z Α dB Time Stamp Time Stamp dB dB Time Stamp 68.8 Leq 2023/05/03 12:23:34 Ls(max) Ls(min) 45.0 2023/05/03 12:25:31 2023/05/03 12:23:36 112.6

Overload Count 0

0.0 s **Overload Duration**

Dose Settings		
Dose Name	OSHA-1	OSHA-2
Exchange Rate	5	5 dB
Threshold	90	80 dB
Criterion Level	90	90 dB
Criterion Duration	8	8 h

Results			
Dose	-99.94	0.01 %	
Projected Dose	-99.94	0.29 %	
TWA (Projected)		48.0 dB	
TWA (t)		25.0 dB	
Lep (t)	55.0	55.0 dB	

Statistics	
LAS 5.00	74.3 dB
LAS 10.00	72.3 dB
LAS 33.30	67.2 dB
LAS 50.00	63.9 dB
LAS 66.60	59.1 dB
LAS 90.00	50.2 dB

File Name on Meter LxT_Data.014.s

LxT_0007058-20230505 115343-LxT_Data.014.ldbin 0007058 File Name on PC

Serial Number Model SoundTrack LxT® Firmware Version 2.404

User Location Job Description Note

Measureme Description

2023-05-05 11:53:43 2023-05-08 13:21:23 Start Stop 73:27:39.688 Duration Run Time 73:27:39.688 Pause 00:00:00.0

2023-05-05 11:08:00 Pre-Calibration Post-Calibration None **Calibration Deviation**

Overall Settings RMS Weight

A Weighting Peak Weight A Weighting Detector Slow Preamplifier PRMLxT1 Microphone Correction Off Integration Method Exponential Overload 143.4 dB

A 99.4 **C** 96.4 **Z** 101.4 dB **Under Range Peak** Under Range Limit 36.6 36.2 43.3 dB Noise Floor 27.5 34.1 dB

> First Third Second

Instrument Identification

Results

LASeq 68.8 LASE 123.0 EAS 221.349 mPa²h 24.105 mPa²h 120.526 mPa²h EAS8 EAS40

2023-05-06 00:45:11 LApeak (max) 115.6 dB 2023-05-07 22:23:16 LASmin 2023-05-07 03:35:03 36.5 dB

SEA 99.9 dB

Exceedance Counts Duration LAS > 85.0 dB 38 97.4 s LAS > 115.0 dB 0 0.0 s LApeak > 135.0 dB 0.0 s 0 LApeak > 137.0 dB 0 0.0 s LApeak > 140.0 dB 0 0.0 s

LCSeq LASeq 73.6 dB 68.8 dB LCseq - Laseq 4.8 dB LAleq 70.9 dB LAeq LAleq - LAeq 68.8 dB 2.2 dB

С Z Α dB Time Stamp Time Stamp dB Time Stamp dB 68.8 Leq Ls(max) 95.8 2023/05/07 22:23:16 Ls(min) 36.5 2023/05/07 3:35:03 115.6 2023/05/06 0:45:11

Overload Count 0 0.0 s **Overload Duration**

Dose Settings		
,	OCUA 1	OCUA 2
Dose Name	OSHA-1	OSHA-2
Exchange Rate	5	5 dB
Threshold	90	80 dB
Criterion Level	90	90 dB
Criterion Duration	8	8 h

Results			
Dose	0.05	1.73 %	
Projected Dose	0.01	0.19 %	
TWA (Projected)	19.1	44.7 dB	
TWA (t)	35.1	60.7 dB	
Lep (t)	78.4	78.4 dB	

Statistics	
LAS 5.00	76.2 dB
LAS 10.00	73.8 dB
LAS 33.30	63.2 dB
LAS 50.00	56.8 dB
LAS 66.60	52.0 dB
LAS 90.00	44.6 dB

Project:	Claremont	t Mckenna						Location:	R3	
	05/07/23	05/08/23	05/09/23	05/10/23	05/11/23	05/12/23	05/13/23		Start Date and Time	
11:53:00 AM	71.5	70.1	71.0						5/7/2023 11:53:00 AM 5/8/2023 12:53:00 PM	Start
12:53:00 PM	71.7	70.7	70.4						5/8/2023 12:53:00 PM 5/9/2023 1:53:00 PM	5/7/23 11:53 AM
1:53:00 PM	71.1	70.2	69.9						5/10/2023 2:53:00 PM 3:53:00 PM	End
2:53:00 PM	71.6	70.4	69.7						4:53:00 PM	5/8/23 11:53 AM
3:53:00 PM		70.8	69.0						5:53:00 PM	
4:53:00 PM		70.7	69.3						CNEL	77.7
5:53:00 PM	71.5	70.8	69.7						L_{dn}	77.5
6:53:00 PM	70.6	68.9	69.4						24-hr Max.	72.0
7:53:00 PM	68.9	68.2	69.5						24-hr Min.	60.2
8:53:00 PM	67.8	67.1	66.4						24-hr Nighttime Average ^a	71.5
9:53:00 PM	67.5	67.5	67.4						24-hr Nighttime Max	72.0
10:53:00 PM		66.4	64.5						24-hr Nighttime Min	70.9
11:53:00 PM	64.8	65.5	62.3						24-hr Daytime Average ^a	67.2
12:53:00 AM	63.8	63.3	61.5						24-hr Daytime Max	70.6
1:53:00 AM		61.3	58.3						24-hr Daytime Min	60.2
2:53:00 AM	60.2	59.2	62.1						Total Period Average	68.8
3:53:00 AM	64.5	58.8	61.1						Total Period Max	72.0
4:53:00 AM	63.6	63.1	66.1						Total Period Min	58.3
5:53:00 AM	66.6	63.9	68.4						Total Period Daytime Average	67.0
6:53:00 AM	67.8	65.7	70.8						Total Period Daytime Max	70.6
7:53:00 AM	69.6	68.3	71.2						Total Period Daytime Min	58.3
8:53:00 AM	70.5	69.6	70.4						Total Period Nighttime Average	70.7
9:53:00 AM	71.2	70.6	69.9						Total Period Nighttime Max	72.0
10:53:00 AM	70.9	70.2	69.7						Total Period Nighttime Min	65.7

^a Daytime hours are from 7:00 a.m. to 10:00 p.m., and nighttime hours are from 10:00 p.m. to 7:00 a.m.

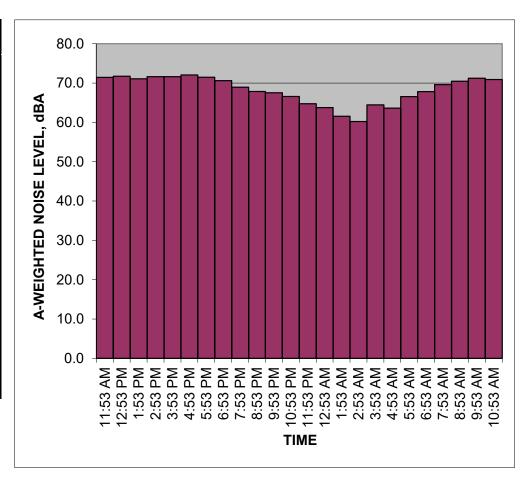


Project: Claremont Mckenna

Location: R3 Sources: Ambient

Date: May 23, 2024

	HNL,
TIME	dB(A)
11:53 AM	71.5
12:53 PM	71.7
1:53 PM	71.1
2:53 PM	71.6
3:53 PM	71.6
4:53 PM	72.0
5:53 PM	71.5
6:53 PM	70.6
7:53 PM	68.9
8:53 PM	67.8
9:53 PM	67.5
10:53 PM	66.6
11:53 PM	64.8
12:53 AM	63.8
1:53 AM	61.5
2:53 AM	60.2
3:53 AM	64.5
4:53 AM	63.6
5:53 AM	66.6
6:53 AM	67.8
7:53 AM	69.6
8:53 AM	70.5
9:53 AM	71.2
10:53 AM	70.9
CNEL. dB(A):	77.7



NOTES:

Measurements began on 5/7/23

Project:	Claremont	t Mckenna						Location:	R3	
	05/07/23	05/08/23	05/09/23	05/10/23	05/11/23	05/12/23	05/13/23		Start Date and Time	
11:53:00 AM	71.5	70.1	71.0						5/7/2023 11:53:00 AM 5/8/2023 12:53:00 PM	Start
12:53:00 PM	71.7	70.7	70.4						5/9/2023 1:53:00 PM	5/8/23 11:53 AM
1:53:00 PM	71.1	70.2	69.9						5/10/2023 2:53:00 PM 3:53:00 PM	End
2:53:00 PM	71.6	70.4	69.7						4:53:00 PM	5/9/23 11:53 AM
3:53:00 PM	71.6	70.8	69.0						5:53:00 PM	
4:53:00 PM	72.0	70.7	69.3						CNEL	76.7
5:53:00 PM	71.5	70.8	69.7						L_{dn}	76.5
6:53:00 PM	70.6	68.9	69.4						24-hr Max.	70.8
7:53:00 PM	68.9	68.2	69.5						24-hr Min.	58.8
8:53:00 PM	67.8	67.1	66.4						24-hr Nighttime Average ^a	70.5
9:53:00 PM	67.5	67.5	67.4						24-hr Nighttime Max	70.8
10:53:00 PM	66.6	66.4	64.5						24-hr Nighttime Min	70.1
11:53:00 PM	64.8	65.5	62.3						24-hr Daytime Average ^a	66.2
12:53:00 AM	63.8	63.3	61.5						24-hr Daytime Max	69.6
1:53:00 AM	61.5	61.3	58.3						24-hr Daytime Min	58.8
2:53:00 AM	60.2	59.2	62.1						Total Period Average	68.8
3:53:00 AM	64.5	58.8	61.1						Total Period Max	72.0
4:53:00 AM	63.6	63.1	66.1						Total Period Min	58.3
5:53:00 AM	66.6	63.9	68.4						Total Period Daytime Average	67.0
6:53:00 AM	67.8	65.7	70.8						Total Period Daytime Max	70.6
7:53:00 AM	69.6	68.3	71.2						Total Period Daytime Min	58.3
8:53:00 AM	70.5	69.6	70.4						Total Period Nighttime Average	70.7
9:53:00 AM	71.2	70.6	69.9						Total Period Nighttime Max	72.0
10:53:00 AM	70.9	70.2	69.7						Total Period Nighttime Min	65.7

^a Daytime hours are from 7:00 a.m. to 10:00 p.m., and nighttime hours are from 10:00 p.m. to 7:00 a.m.

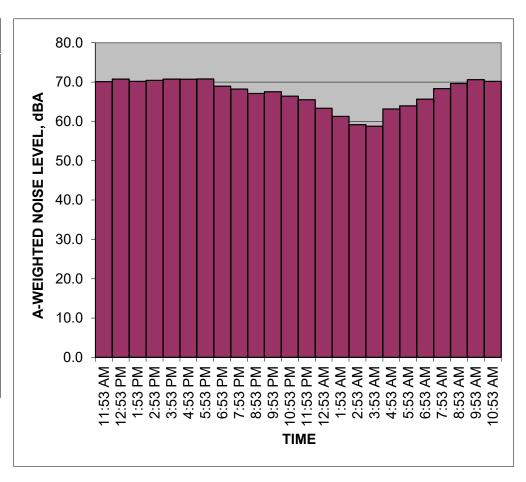


Project: Claremont Mckenna

Location: R3 Sources: Ambient

Date: May 23, 2024

	HNL,
TIME	dB(A)
11:53 AM	70.1
12:53 PM	70.7
1:53 PM	70.2
2:53 PM	70.4
3:53 PM	70.8
4:53 PM	70.7
5:53 PM	70.8
6:53 PM	68.9
7:53 PM	68.2
8:53 PM	67.1
9:53 PM	67.5
10:53 PM	66.4
11:53 PM	65.5
12:53 AM	63.3
1:53 AM	61.3
2:53 AM	59.2
3:53 AM	58.8
4:53 AM	63.1
5:53 AM	63.9
6:53 AM	65.7
7:53 AM	68.3
8:53 AM	69.6
9:53 AM	70.6
10:53 AM	70.2
CNEL, dB(A):	76.7



NOTES:

Measurements began on 5/8/23

Project:	Claremont	Mckenna						Location:	R3	
	05/07/23	05/08/23	05/09/23	05/10/23	05/11/23	05/12/23	05/13/23		Start Date and Time	
11:53:00 AM	71.5	70.1	71.0						5/7/2023 11:53:00 AM	Start
12:53:00 PM	71.7	70.7	70.4						5/8/2023 12:53:00 PM 5/9/2023 1:53:00 PM	5/9/23 11:53 AM
1:53:00 PM	71.1	70.2	69.9						5/10/2023 2:53:00 PM	End
2:53:00 PM	71.6	70.4	69.7						3:53:00 PM 4:53:00 PM	5/10/23 11:53 AM
3:53:00 PM	71.6	70.8	69.0						5:53:00 PM	
4:53:00 PM	72.0	70.7	69.3						CNEL	76.4
5:53:00 PM	71.5	70.8	69.7						L_{dn}	76.0
6:53:00 PM	70.6	68.9	69.4						24-hr Max.	71.2
7:53:00 PM	68.9	68.2	69.5						24-hr Min.	58.3
8:53:00 PM	67.8	67.1	66.4						24-hr Nighttime Average ^a	69.9
9:53:00 PM	67.5	67.5	67.4						24-hr Nighttime Max	71.0
10:53:00 PM		66.4	64.5						24-hr Nighttime Min	69.0
11:53:00 PM	64.8	65.5	62.3						24-hr Daytime Average ^a	67.5
12:53:00 AM	63.8	63.3	61.5						24-hr Daytime Max	71.2
1:53:00 AM	61.5	61.3	58.3						24-hr Daytime Min	58.3
2:53:00 AM	60.2	59.2	62.1						Total Period Average	68.8
3:53:00 AM	64.5	58.8	61.1						Total Period Max	72.0
4:53:00 AM	63.6	63.1	66.1						Total Period Min	58.3
5:53:00 AM	66.6	63.9	68.4						Total Period Daytime Average	67.0
6:53:00 AM	67.8	65.7	70.8						Total Period Daytime Max	70.6
7:53:00 AM	69.6	68.3	71.2						Total Period Daytime Min	58.3
8:53:00 AM	70.5	69.6	70.4						Total Period Nighttime Average	70.7
9:53:00 AM	71.2	70.6	69.9						Total Period Nighttime Max	72.0
10:53:00 AM	70.9	70.2	69.7						Total Period Nighttime Min	65.7

^a Daytime hours are from 7:00 a.m. to 10:00 p.m., and nighttime hours are from 10:00 p.m. to 7:00 a.m.

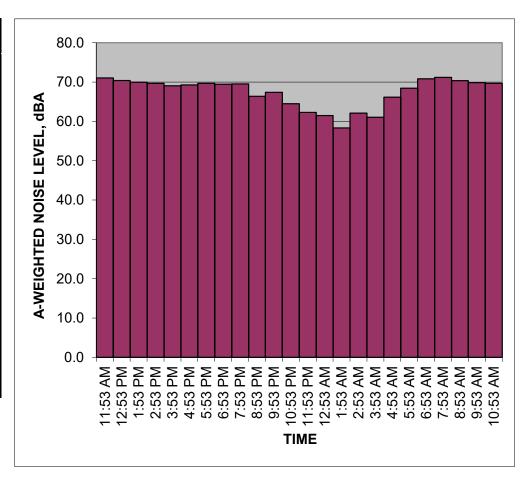


Project: Claremont Mckenna

Location: R3 Sources: Ambient

Date: May 23, 2024

	HNL,
TIME	dB(A)
11:53 AM	71.0
12:53 PM	70.4
1:53 PM	69.9
2:53 PM	69.7
3:53 PM	69.0
4:53 PM	69.3
5:53 PM	69.7
6:53 PM	69.4
7:53 PM	69.5
8:53 PM	66.4
9:53 PM	67.4
10:53 PM	64.5
11:53 PM	62.3
12:53 AM	61.5
1:53 AM	58.3
2:53 AM	62.1
3:53 AM	61.1
4:53 AM	66.1
5:53 AM	68.4
6:53 AM	70.8
7:53 AM	71.2
8:53 AM	70.4
9:53 AM	69.9
10:53 AM	69.7
CNEL, dB(A):	76.4



NOTES:

Measurements began on 5/9/23

LxT_Data.234.s File Name on Meter

LxT_0004983-20230503 111144-LxT_Data.234.ldbin 0004983 File Name on PC

Serial Number Model SoundTrack LxT® Firmware Version 2.404

User Location Job Description Note

Measureme

Description

Start 2023-05-03 11:11:44 Stop 2023-05-03 11:31:44 00:20:00.0 Duration Run Time 00:20:00.0 00:00:00.0

2023-05-02 06:54:42 Pre-Calibration Post-Calibration None **Calibration Deviation**

Overall Settings RMS Weight

A Weighting Peak Weight Z Weighting Detector Slow Preamplifier PRMLxT1 Microphone Correction Off Integration Method Exponential Overload 143.3 dB

A 99.3 **C** 96.3 **Z 101.3** dB **Under Range Peak** Under Range Limit 36.5 36.2 43.2 dB Noise Floor 27.4 34.1 dB

> First Third Second

Instrument Identification

Results

LASeq 66.8 LASE 97.6 EAS $634.301~\mu Pa^2h$ EAS8 15.223 mPa²h 76.116 mPa²h EAS40

LZpeak (max) 2023-05-03 11:20:22 104.0 dB 2023-05-03 11:23:43 80.6 dB LASmin 2023-05-03 11:29:47 43.7 dB

99.9 **dB** SEA

Duration **Exceedance Counts** LAS > 85.0 dB 0.0 s LAS > 115.0 dB 0 0.0 s LZpeak > 135.0 dB 0.0 s 0 LZpeak > 137.0 dB 0 0.0 s LZpeak > 140.0 dB 0 0.0 s

72.8 dB LCSeq LASeq 66.8 dB LCseq - Laseq 6.1 dB LAleq 69.3 dB LAeq LAleq - LAeq 66.8 dB 2.5 dB

С Z Α dB Time Stamp dB Time Stamp dB Time Stamp 66.8 Leq Ls(max) 80.6 2023/05/03 11:23:43 Ls(min) 43.7 2023/05/03 11:29:47 104.0 2023/05/03 11:20:22

Overload Count 0 Overload Duration 0.0 s

Dose Settings OSHA-1 OSHA-2 **Dose Name Exchange Rate** 5 5 dB Threshold 90 80 dB **Criterion Level** 90 90 dB **Criterion Duration** 8 8 h

Results 0.00 % **Projected Dose** 0.02 % TWA (Projected) 29.1 dB TWA (t) 6.2 dB 53.0 53.0 dB Lep (t)

Statistics LAS 5.00 73.3 dB LAS 10.00 71.0 dB LAS 33.30 64.9 dB LAS 50.00 60.9 dB LAS 66.60 56.5 dB LAS 90.00 49.0 dB

File Name on Meter LxT_Data.238.s

LxT_0004983-20230505 112614-LxT_Data.238.ldbin 0004983 File Name on PC

Serial Number Model SoundTrack LxT® Firmware Version 2.404

User Location Job Description Note

Measureme

Description

2023-05-05 11:26:14 2023-05-08 12:59:17 Start Stop 73:33:02.500 Duration Run Time 73:33:00.594 00:00:01.9

2023-05-03 10:59:38 Pre-Calibration Post-Calibration None **Calibration Deviation**

Overall Settings RMS Weight

A Weighting Peak Weight Z Weighting Detector Slow PRMLxT1 Preamplifier Microphone Correction Off Integration Method Exponential Overload

143.3 dB

A 99.3 **C** 96.3 **Z 101.3** dB Under Range Peak Under Range Limit 36.5 36.2 43.2 dB Noise Floor 27.4 27.0 34.1 dB

> First Third Second

Instrument Identification

Results

59.7 LASeq LASE 113.9 EAS 27.185 mPa²h 2.957 mPa²h 14.784 mPa²h EAS8 EAS40

2023-05-06 16:16:30 LZpeak (max) 116.2 dB 2023-05-07 16:33:56 LASmin 2023-05-07 03:23:19 34.9 dB

SEA

Exceedance Counts LAS > 85.0 dB 24.5 s LAS > 115.0 dB 0 0.0 s LZpeak > 135.0 dB 0.0 s 0.0 s 0 LZpeak > 137.0 dB 0 LZpeak > 140.0 dB 0 0.0 s

LCSeq LASeq 68.8 dB 59.7 dB LCseq - Laseq 9.2 dB LAleq 61.5 dB LAeq LAleq - LAeq 59.7 dB 1.8 dB

Leq Ls(max) Ls(min)

	A		С	Z		
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp	
59.7						
93.8	2023/05/07 16:33:56					
34.9	2023/05/07 3:23:19					
				116.2	2023/05/06 16:16:30	

Overload Count 0 Overload Duration 0.0 s

Dose Settings	
Dose Name	OSHA-1
Exchange Rate	5

O3HM-1	U3HA-Z
5	5 dB
90	80 dB
90	90 dB
8	8 h
	5 90 90

Results			
Dose	0.02	0.11 %	
Projected Dose	0.00	0.01 %	
TWA (Projected)	14.1	24.9 dB	
TWA (t)	30.1	40.9 dB	
Lep (t)	69.3	69.3 dB	

Statistics	
LAS 5.00	65.3 dB
LAS 10.00	63.3 dB
LAS 33.30	57.0 dB
LAS 50.00	53.4 dB
LAS 66.60	50.0 dB
LAS 90.00	43.6 dB

Project:	Claremont	t Mckenna						Location:	R4	
	05/07/23	05/08/23	05/09/23	05/10/23	05/11/23	05/12/23	05/13/23		Start Date and Time	
11:26:00 AM	62.3	63.7	61.8						5/7/2023 11:26:00 AM 5/8/2023 12:26:00 PM	Start
12:26:00 PM	62.3	60.7	62.3						5/9/2023 1:26:00 PM	5/7/23 11:26 AM
1:26:00 PM	62.1	60.1	61.8						5/10/2023 2:26:00 PM 3:26:00 PM	End
2:26:00 PM	63.4	61.0	63.0						4:26:00 PM	5/8/23 11:26 AM
3:26:00 PM	63.0	63.0	60.5						5:26:00 PM	
4:26:00 PM	63.6	60.1	65.6						CNEL	68.6
5:26:00 PM	63.0	60.1	60.1						L_{dn}	68.4
6:26:00 PM	61.2	60.4	59.4						24-hr Max.	63.6
7:26:00 PM	59.7	57.8	57.4						24-hr Min.	49.7
8:26:00 PM	58.8	57.7	56.6						24-hr Nighttime Average ^a	62.5
9:26:00 PM	58.1	59.2	56.1						24-hr Nighttime Max	63.6
10:26:00 PM	56.6	56.6	53.8						24-hr Nighttime Min	59.9
11:26:00 PM	56.4	54.6	53.4						24-hr Daytime Average ^a	57.1
12:26:00 AM	54.7	60.2	54.1						24-hr Daytime Max	61.2
1:26:00 AM	54.0	51.8	49.6						24-hr Daytime Min	49.7
2:26:00 AM	50.1	49.4	46.2						Total Period Average	59.6
3:26:00 AM	49.7	47.8	49.8						Total Period Max	65.6
4:26:00 AM	51.9	48.6	53.7						Total Period Min	46.2
5:26:00 AM	55.8	54.1	57.8						Total Period Daytime Average	57.0
6:26:00 AM	56.0	55.4	60.7						Total Period Daytime Max	61.2
7:26:00 AM	57.2	55.7	61.8						Total Period Daytime Min	46.2
8:26:00 AM	59.9	59.1	60.4						Total Period Nighttime Average	62.1
9:26:00 AM	59.9	60.7	61.5						Total Period Nighttime Max	65.6
10:26:00 AM	62.0	61.9	61.2						Total Period Nighttime Min	55.4

^a Daytime hours are from 7:00 a.m. to 10:00 p.m., and nighttime hours are from 10:00 p.m. to 7:00 a.m.

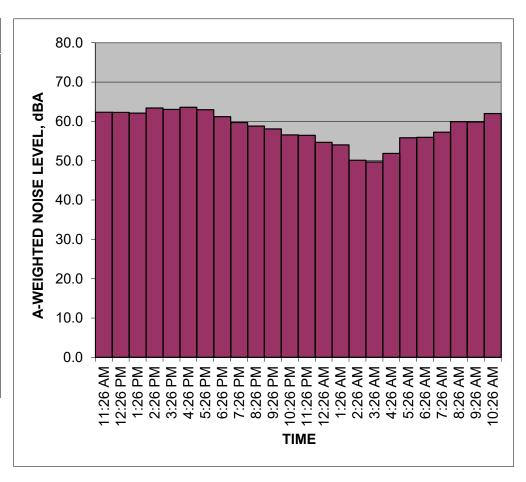


Project: Claremont Mckenna

Location: R4 Sources: Ambient

Date: May 23, 2024

	HNL,
TIME	dB(A)
11:26 AM	62.3
12:26 PM	62.3
1:26 PM	62.1
2:26 PM	63.4
3:26 PM	63.0
4:26 PM	63.6
5:26 PM	63.0
6:26 PM	61.2
7:26 PM	59.7
8:26 PM	58.8
9:26 PM	58.1
10:26 PM	56.6
11:26 PM	56.4
12:26 AM	54.7
1:26 AM	54.0
2:26 AM	50.1
3:26 AM	49.7
4:26 AM	51.9
5:26 AM	55.8
6:26 AM	56.0
7:26 AM	57.2
8:26 AM	59.9
9:26 AM	59.9
10:26 AM	62.0
CNEL, dB(A):	68.6



NOTES:

Measurements began on 5/7/23

Project:	Claremont	t Mckenna						Location:	R4	
	05/07/23	05/08/23	05/09/23	05/10/23	05/11/23	05/12/23	05/13/23		Start Date and Time	
11:26:00 AM	62.3	63.7	61.8						5/7/2023 11:26:00 AM 5/8/2023 12:26:00 PM	Start
12:26:00 PM	62.3	60.7	62.3						5/9/2023 1:26:00 PM	5/8/23 11:26 AM
1:26:00 PM	62.1	60.1	61.8						5/10/2023 2:26:00 PM 3:26:00 PM	End
2:26:00 PM	63.4	61.0	63.0						4:26:00 PM	5/9/23 11:26 AM
3:26:00 PM		63.0	60.5						5:26:00 PM	
4:26:00 PM	63.6	60.1	65.6						CNEL	67.5
5:26:00 PM	63.0	60.1	60.1						L _{dn}	67.4
6:26:00 PM	61.2	60.4	59.4						24-hr Max.	63.7
7:26:00 PM	59.7	57.8	57.4						24-hr Min.	47.8
8:26:00 PM	58.8	57.7	56.6						24-hr Nighttime Average ^a	61.4
9:26:00 PM	58.1	59.2	56.1						24-hr Nighttime Max	63.7
10:26:00 PM	56.6	56.6	53.8						24-hr Nighttime Min	60.1
11:26:00 PM	56.4	54.6	53.4						24-hr Daytime Average ^a	56.7
12:26:00 AM	54.7	60.2	54.1						24-hr Daytime Max	60.4
1:26:00 AM	54.0	51.8	49.6						24-hr Daytime Min	47.8
2:26:00 AM	50.1	49.4	46.2						Total Period Average	59.6
3:26:00 AM	49.7	47.8	49.8						Total Period Max	65.6
4:26:00 AM	51.9	48.6	53.7						Total Period Min	46.2
5:26:00 AM	55.8	54.1	57.8						Total Period Daytime Average	57.0
6:26:00 AM	56.0	55.4	60.7						Total Period Daytime Max	61.2
7:26:00 AM	57.2	55.7	61.8						Total Period Daytime Min	46.2
8:26:00 AM	59.9	59.1	60.4						Total Period Nighttime Average	62.1
9:26:00 AM	59.9	60.7	61.5						Total Period Nighttime Max	65.6
10:26:00 AM	62.0	61.9	61.2						Total Period Nighttime Min	55.4

^a Daytime hours are from 7:00 a.m. to 10:00 p.m., and nighttime hours are from 10:00 p.m. to 7:00 a.m.

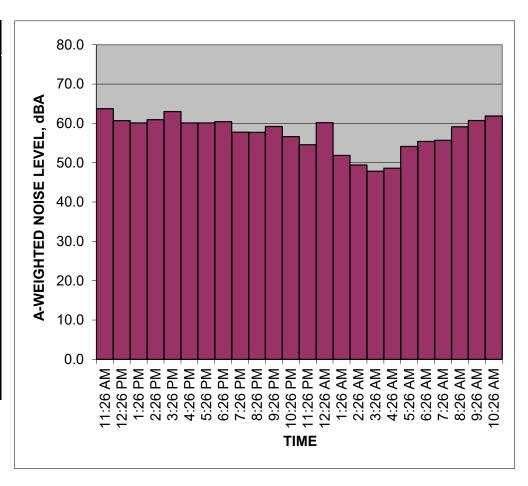


Project: Claremont Mckenna

Location: R4 Sources: Ambient

Date: May 23, 2024

	HNL,
TIME	dB(A)
11:26 AM	63.7
12:26 PM	60.7
1:26 PM	60.1
2:26 PM	61.0
3:26 PM	63.0
4:26 PM	60.1
5:26 PM	60.1
6:26 PM	60.4
7:26 PM	57.8
8:26 PM	57.7
9:26 PM	59.2
10:26 PM	56.6
11:26 PM	54.6
12:26 AM	60.2
1:26 AM	51.8
2:26 AM	49.4
3:26 AM	47.8
4:26 AM	48.6
5:26 AM	54.1
6:26 AM	55.4
7:26 AM	55.7
8:26 AM	59.1
9:26 AM	60.7
10:26 AM	61.9
CNEL, dB(A):	67.5



NOTES:

Measurements began on 5/8/23

Project:	Claremont	Mckenna						Location:	R4	
	05/07/23	05/08/23	05/09/23	05/10/23	05/11/23	05/12/23	05/13/23		Start Date and Time	
11:26:00 AM	62.3	63.7	61.8						5/7/2023 11:26:00 AM	Start
12:26:00 PM	62.3	60.7	62.3						5/8/2023 12:26:00 PM 1:26:00 PM	5/9/23 11:26 AM
1:26:00 PM	62.1	60.1	61.8						5/10/2023 2:26:00 PM 3:26:00 PM	End
2:26:00 PM	63.4	61.0	63.0						4:26:00 PM	5/10/23 11:26 AM
3:26:00 PM	63.0	63.0	60.5						5:26:00 PM	
4:26:00 PM	63.6	60.1	65.6						CNEL	68.4
5:26:00 PM	63.0	60.1	60.1						L_{dn}	68.2
6:26:00 PM	61.2	60.4	59.4						24-hr Max.	65.6
7:26:00 PM	59.7	57.8	57.4						24-hr Min.	46.2
8:26:00 PM	58.8	57.7	56.6						24-hr Nighttime Average ^a	62.3
9:26:00 PM	58.1	59.2	56.1						24-hr Nighttime Max	65.6
10:26:00 PM	56.6	56.6	53.8						24-hr Nighttime Min	60.1
11:26:00 PM	56.4	54.6	53.4						24-hr Daytime Average ^a	57.2
12:26:00 AM	54.7	60.2	54.1						24-hr Daytime Max	61.8
1:26:00 AM	54.0	51.8	49.6						24-hr Daytime Min	46.2
2:26:00 AM	50.1	49.4	46.2						Total Period Average	59.6
3:26:00 AM	49.7	47.8	49.8						Total Period Max	65.6
4:26:00 AM	51.9	48.6	53.7						Total Period Min	46.2
5:26:00 AM	55.8	54.1	57.8						Total Period Daytime Average	57.0
6:26:00 AM	56.0	55.4	60.7						Total Period Daytime Max	61.2
7:26:00 AM	57.2	55.7	61.8						Total Period Daytime Min	46.2
8:26:00 AM	59.9	59.1	60.4						Total Period Nighttime Average	62.1
9:26:00 AM	59.9	60.7	61.5						Total Period Nighttime Max	65.6
10:26:00 AM	62.0	61.9	61.2						Total Period Nighttime Min	55.4

^a Daytime hours are from 7:00 a.m. to 10:00 p.m., and nighttime hours are from 10:00 p.m. to 7:00 a.m.

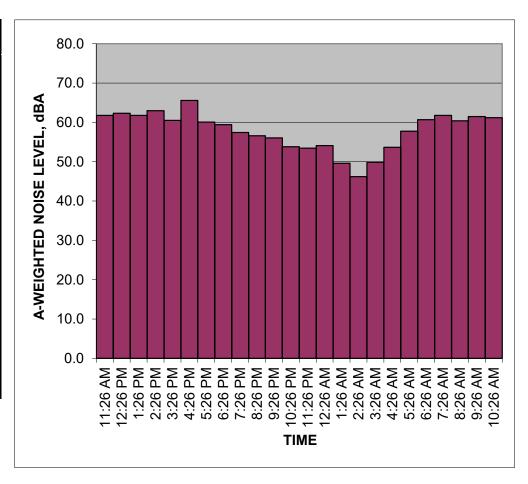


Project: Claremont Mckenna

Location: R4 Sources: Ambient

Date: May 23, 2024

	HNL,
TIME	dB(A)
11:26 AM	61.8
12:26 PM	62.3
1:26 PM	61.8
2:26 PM	63.0
3:26 PM	60.5
4:26 PM	65.6
5:26 PM	60.1
6:26 PM	59.4
7:26 PM	57.4
8:26 PM	56.6
9:26 PM	56.1
10:26 PM	53.8
11:26 PM	53.4
12:26 AM	54.1
1:26 AM	49.6
2:26 AM	46.2
3:26 AM	49.8
4:26 AM	53.7
5:26 AM	57.8
6:26 AM	60.7
7:26 AM	61.8
8:26 AM	60.4
9:26 AM	61.5
10:26 AM	61.2
CNEL, dB(A):	68.4



NOTES:

Measurements began on 5/9/23

Exhibit B
Construction and
Vibration Noise
Calculations



																		Noise Barri	ier+Elevation	n Differen	ce =5 dB	A Reduct	ion
				F	t1-Brighte	n Park A	partment	:		R2 -	Pitzer Do	orms		R3 - C	ondos eas	t of Mo	nte Vista	Avenue	R4 -	College P	ark Luxu	ry Aparti	nents
Construction Phase Equipment Type	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance (ft)	Lmax	Leq		Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L10	Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L10	Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L10	Estimated Noise Shielding, dBA
Site Preparation																							
Roberts Sports Bowl I Tractor/Loader/Backhoe		78	40%	1480	49	46 45	48	0	160	68	64	67	0	160	63	59	62	5	110	71 71	67 67	70	0
Tractor/Loader/Backhoe	1	78	40%	2450	44	40	43	0	1000	52	48	51	0	1000	47	43	46	5	1000	52	48	51	0
Dump Truck	1	76	40%	3450	39	35	38	0	2000	44	40	43	0	2000	39	35	38	5	2000	44	40	43	0
2. Street Improvements I		700	40%	1480	52 49	48	48	0	100	72	68	71	0	100	67	63	66	5	150	69 68	65 64	67	0
Tractor/Loader/Backhoe Tractor/Loader/Backhoe	1	78 78	40%	1480 2000	49	45	48	0	750	72 54	68 50	53	0	750	49	45	48	5	750	68 54	50	53	0
Dump Truck	1	76	40%	2500	42	38	41	0	1400	47	43	46	0	1400	42	38	41	5	1400	47	43	46	0
Tractor/Loader/Backhoe	1	78	40%	3000	42	38	41	0	1800	47	43	46	0	1800	42	38	41	5	1800	47	43	46	0
Grading					61									1					1				
Sports Bowl Rough Grading I Rock Drill	- 1	81	20%	1480	52	45	48	0	160	71	64	67	0	160	66	59	62	5	110	74	67	70	0
Rock Drill	1	81	20%	1600	51	44	47	0	300	65	58	61	0	300	60	53	56	5	300	65	58	61	0
Rock Drill	1	81	20%	1700	50	43	46	0	400	63	56	59	0	400	58	51	54	5	400	63	56	59	0
Dump Truck	5	76	40%	1800	52	48	51	0	500	63	59	62	0	500	58	54	57	5	500	63	59	62	0
Dump Truck	5	76	40%	1900	51	47	50	0	600	61	57	60	0	600	56	52	55	5	600	61	57	60	0
Dump Truck	5	76 76	40% 40%	2000 2200	51 50	47 46	50 49	0	700 800	60 59	56 55	59 58	0	700 800	55 54	51 50	54 53	5	700 800	60 59	56 55	59 58	0
Dump Truck Front End Loader	2	79	40%	2400	48	44	49	0	900	57	53	56	0	900	52	48	51	5	900	57	53	56	0
Front End Loader	2	79	40%	2600	48	44	47	0	1000	56	52	55	0	1000	51	47	50	5	1000	56	52	55	0
Excavator	2	81	40%	2800	49	45	48	0	1100	57	53	56	0	1100	52	48	51	5	1100	57	53	56	0
Excavator	1	81	40%	3000	45	41	44	0	1200	53	49	52	0	1200	48	44	47	5	1200	53	49	52	0
Dump Truck	2	76	40%	3400	42	38	41	0	2000	47	43	46	0	2000	42	38	41	5	2000	47	43	46	0
E Sand Bard Sine Continue					59	56				76	73				71	68				79	76		
5. Sport Bowl Fine Grading I Other Equipment	1	85	50%	1480	56	53	56	0	160	76	72	75	0	160	70	68	70	5	110	79 78	76	78	0
Other Equipment	1	85	50%	1700	54	51	54	0	300	69	66	69	0	300	64	61	64	5	300	69	66	69	0
Excavator	1	81	40%	2000	49	45	48	0	600	59	55	58	0	600	54	50	53	5	600	59	55	58	0
Excavator	1	81	40%	2300	48	44	47	0	900	56	52	55	0	900	51	47	50	5	900	56	52	55	0
Tractor/Loader/Backhoe Tractor/Loader/Backhoe	2 2	78 78	40% 40%	2600 2900	47 46	43 42	46 45	0	1200 1500	53 51	49 47	52 50	0	1200 1500	48 46	44 42	47 45	5	1200 1500	53 51	49 47	52 50	0
Tractor/Loader/Backhoe Dump Truck	4	78 76	40%	2900 3200	46 40	42 36	45 39	0	1900	51 44	47	43	0	1500	46 39	42 35	45 38	5	1500	51 44	47	43	0
Dump Truck	1	76	40%	3400	39	35	38	0	2000	44	40	43	0	2000	39	35	38	5	2000	44	40	43	0
6. Street Improvement I					54	50				75	71				70	66				72	68		
Excavator Tractor/Loader/Backhoe	1	81 78	40% 40%	1480	52 46	48 42	51 45	0	100 500	75 58	71 54	74 57	0	100 500	70 53	66 49	69 52	5	150 500	71 58	67 54	70 57	0
Tractor/Loader/Backhoe Tractor/Loader/Backhoe	1	78 78	40%	2000 2500	46 44	42	45	0	900	58	49	52	0	900	53 48	49	52 47	5	900	58	49	57	0
Tractor/Loader/Backhoe Tractor/Loader/Backhoe	1	78	40%	2750	43	39	42	0	1500	48	44	47	0	1500	48	39	42	5	1500	48	44	47	0
Dump Truck	1	76	40%	3000	40	36	39	0	1800	45	41	44	0	1800	40	36	39	5	1800	45	41	44	0
3. Tunnel Rough Grading/Excavation (Shoring)					54	49				64	60				52	48				64	59		
Excavator Excavator	1	81 81	40% 40%	2470 2475	47 47	43 43	46 46	0	750 760	57 57	53 53	56 56	0	1450 1500	47 46	43 42	46 45	5	750 770	57 57	53 53	56 56	0
Dump Truck	2	76	40%	2480	45	41	44	0	770	55	51	54	0	1650	44	40	43	5	790	55	51	54	0
Dump Truck	1	76	40%	2485	42	38	41	0	780	52	48	51	0	1700	40	36	39	5	810	52	48	51	0
Tractor/Loader/Backhoe	2	78	40%	2495	47	43	46	0	800	57	53	56	0	1800	45	41	44	5	840	57	53	56	0
Roller	1	80	20%	2505	46	39	42	0	820	56	49	52	0	1950	43	36	39	5	880	55	48	51	0
																-					55		
7. Tunnel Fine Grading/Excavation I Tractor/Loader/Backhoe	-1	78	40%	2470	50 44	45 40	43	0	750	60 54	55 50	53	0	1450	49 44	44	43	5	750	60 54	50	53	0
Tractor/Loader/Backhoe	1	78	40%	2480	44	40	43	0	775	54	50	53	0	1600	43	39	42	5	800	54	50	53	0
Roller	1	80	20%	2490	46	39	42	0	800	56	49	52	0	1750	44	37	40	5	840	55	49	52	0
Dump Truck	1	76	40%	2500	42	38	41	0	825	52	48	51	0	1950	39	35	38	5	880	51	47	50	0
0.11.00	<u> </u>																						
Building Construction 8. 8 Structures and Parking Building and Sport	Seating I				57	53				70	66				55	50				65	61		
Pumps	1	81	50%	1500	51	48	51	0	250	67	64	67	0	1350	47	44	47	5	500	61	58	61	0
Gradall	1	83	40%	1750	52	48	51	0	450	64	60	63	0	1450	49	45	48	5	700	60	56	59	0
Gradall	1	83	40%	2000	51	47	50	0	550	62	58	61	0	1425	49	45	48	5	900	58	54	57	0
Crane Man Lift	1	81 75	16% 20%	2200 2400	48 41	40 34	43 37	0	650 750	59 51	51 44	54 47	0	1450 1475	47 41	39 34	42 37	5	1100 1300	54 47	46 40	49 43	0
Man Lift	1	75	20%	2600	41	34	37	0	900	50	44	46	0	1500	40	33	36	5	1500	45	38	41	0
Dump Truck	1	76	40%	2800	41	37	40	0	1100	49	45	48	0	1550	41	37	40	5	1700	45	41	44	0
9. Street Improvements I					54	50				75	71				70	66				72	68		
Excavator	1	81	40%	1480	52	48	51	0	100	75	71	74	0	100	70	66	69	5	150	71	67	70	0
Tractor/Loader/Backhoe	1	78	40% 40%	2000	46 44	42 40	45 43	0	500	58 53	54 49	57 52	0	500	53	49 44	52 47	5	500	58	54 49	57	0
Tractor/Loader/Backhoe Dump Truck	1	78 76	40%	2500 2750	41	37	40	0	900 1500	46	49	45	0	900 1500	48 41	37	40	5	900 1500	53 46	49	52 45	0
Roller	1	80	20%	3000	44	37	40	ó	1800	49	42	45	0	1800	44	37	40	5	1800	49	42	45	ó
10. Roberts Sports Bowl Site Utilities and Wall					54	50				63	58				57	53				70	66		
Excavator	1	81	40%	2400	47	43	46	0	750	57	53 52	56	0	800 900	52	48	51	5	300	65	61	64	0
Excavator Tractor/Loader/Backhoe	1	81 78	40% 40%	2450 2500	47 44	43 40	46 43	0	850 950	56 52	52 48	55 51	0	900 1000	51 47	47 43	50 46	5	350 400	64 60	60 56	63 59	0
Tractor/Loader/Backhoe	1	78	40%	2550	44	40	43	0	1000	52	48	51	0	1100	46	42	45	5	450	59	55	58	0
Tractor/Loader/Backhoe	1	78	40%	2600	44	40	43	0	1100	51	47	50	0	1200	45	41	44	5	500	58	54	57	0
Tractor/Loader/Backhoe	1	78	40%	2650	44	40	43	0	1200	50	46	49	0	1300	45	41	44	5	550	57	53	56	0
Dump Truck	1	76	40%	2700	41	37	40	0	1300	48	44	47	0	1400	42	38	41	5	600	54	50	53	0
Dump Truck	1	76 80	40% 20%	2750 2800	41 45	37	40 41	0	1325 1350	48 51	44 44	47 47	0	1600 1800	41 44	37	40 40	5	700	53 56	49	52	0
Roller	1	OU.	20%	2000	40	38	+1	0	1350	υT	44	47	0	1800	44	37	40	5	800	υĐ	49	52	0
11. Pathways and Surface Parking I					52	47				66	61				55	50				60	56		
Tractor/Loader/Backhoe	1	78	40%	1500	48	44	47	0	250	64	60	63	0	750	49	45	48	5	650	56	52	55	0
Roller	1	80	20%	2250	47	40	43	0	500	60	53	56	0	850	50	43	46	5	800	56	49	52	0
Pumps	1	81	50%	3000	45	42	45	0	1100	54	51	54	0	1000	50	47	50	5	1000	55	52	55	0
12. Tunnel I					53	48				63	58				51	47				62	58		
Pumps	1	81	50%	2470	47	44	47	0	750	57	54	57	0	1400	47	44	47	5	750	57	54	57	0
Gradall	1	83	40%	2480	49	45	48	0	800	59	55	58	0	1700	47	43	46	5	800	59	55	58	0
Crane	1	81	16%	2490	47	39	42	0	830	57	49	52	0	1900	44	36	39	5	880	56	48	51	0
Architectural Coating																							
Architectural Coating 13. 8 Structures, Seating, and Parking Structure	e /				46	39				61	54				44	36				55	48		
Man Lift	1	75	20%	1500	45	38	41	0	250	61	54	57	0	1300	42	35	38	5	500	55	48	51	0
ForkLift	1	75	10%	3000	39	29	32	0	1100	48	38	41	0	1500	40	30	33	5	1700	44	34	37	0
14. Street Improvements I					53	49				72	68				67	63				69	65		
Tractor/Loader/Backhoe	1	78	40%	1480	49	45	48	0	100	72	68	71	0	100	67	63	66	5	150	68	64	67	0
Roller	1	80 81	20% 50%	2000 2500	48 47	41 44	44 47	0	500 1500	60 51	53 48	56	0	500 1500	55 46	48 43	51 46	5	500 1500	60 51	53 48	56 51	0
Pumps Dump Truck	1	81 76	40%	3000	47	36	47 39	0	1800	51 45	48 41	51 44	0	1800	46 40	43 36	46 39	5	1800	51 45	48	44	0
			.574					-				~		.500			30		.500	~		-	-
Maximum Combined Overlapping Noise Levels	- 2,3,4,8					59			l		73			1		66			1		72		
Maximum Combined Overlapping Noise Levels	- 2,4,8,10,1	2				59			l		73					66					73		
Maximum Combined Overlapping Noise Levels	- 3,4,8	442				58 60			l		71 77			1		63 72			1		71 77		
Maximum Combined Overlapping Noise Levels		11,12				60 55			l		77			1		72 63			1		77 67		
Maximum Combined Overlapping Noise Levels Max Individual Noise Level	0,10,14					60					77			1		72			1		77		
Ambient Noise Level	l					66.8			l		64.5			1		68.8			1		66.8		
Threshold (Ambient +5 dBA)	Щ					71.8					69.5					73.8					71.8		
Significant Impact?						No			1		Yes					No					Yes		

Project: Claremont McKenna College Project Addendum Construction Noise Impact on Sensitive Receptors

Parameters Leq to L10 factor



																		Noise Barri	er+Elevation	n Differen	ice =5 dB	A Reduc	tion
				F	R1-Brighto	on Park A	partmen	ts		R2 -	Pitzer D	orms		R3 - C	ondos ea	st of Mo	nte Vista	Avenue	R4 -	R4 - College Park Luxury Apartments			
Construction Phase Equipment Type	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance (ft)	Lmax	Leq	L10	Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L10	Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L10	Estimated Noise Shielding, dBA	Distance (ft)	Lmax	Leq	L10	Estimate Noise Shielding dBA
Site Preparation																							
15. Roberts Sports Bowl II					62	59				72	69				67	64				55	52		
Tractor/Loader/Backhoe	1	78	40%	600	56	52	55	0	160	68	64	67	0	160	63	59	62	5	1500	48	44	47	0
Tractor/Loader/Backhoe	1	78	40%	1200	50	46	49	0	600	56	52	55	0	600	51	47	50	5	2000	46	42	45	0
Tractor/Loader/Backhoe	1	78	40%	1500	48	44	47	0	1200	50	46	49	0	1200	45	41	44	5	2500	44	40	43	0
Dump Truck	1	76	40%	2000	44	40	43	0	1600	46	42	45	0	1600	41	37	40	5	3000	40	36	39	0
Grading	l								l														
16. Sports Bowl Rough Grading II					67	62				74	68				69	63				61	56		
Rock Drill	1	81	20%	600	59	52	55	0	160	71	64	67	0	160	66	59	62	5	1500	51	44	47	0
Rock Drill	1	81	20%	700	58	51	54	0	300	65	58	61	0	300	60	53	56	5	1600	51	44	47	0
Rock Drill	1	81	20%	800	57	50	53	0	400	63	56	59	0	400	58	51	54	5	1700	50	43	46	0
Dump Truck	5	76	40%	900	58	54	57	0	500	63	59	62	0	500	58	54	57	5	1800	52	48	51	0
Dump Truck	5	76	40%	1000	57	53	56	0	600	61	57	60	0	600	56	52	55	5	1900	51	47	50	0
Dump Truck	5	76	40%	1100	56	52	55	0	700	60	56	59	0	700	55	51	54	5	2000	51	47	50	0
Dump Truck	5	76	40%	1200	55	51	54	ō	800	59	55	58	0	800	54	50	53	5	2100	51	47	50	ō
Front End Loader	1	79	40%	1300	51	47	50	0	900	54	50	53	0	900	49	45	48	5	2200	46	42	45	0
Front End Loader	1	79	40%	1400	50	46	49	0	1000	53	49	52	0	1000	48	44	47	5	2300	46	42	45	0
Front End Loader	1	79	40%	1500	49	45	48	0	1100	52	48	51	0	1100	47	43	46	5	2400	45	41	44	0
Front End Loader	1	79	40%	1600	49	45	48	0	1200	51	47	50	0	1200	46	42	45	5	2500	45	41	44	0
Excavator	1	81	40%	1700	50	46	49	0	1300	53	49	52	0	1300	48	44	47	5	2600	47	43	46	0
Excavator	1	81	40%	1800	50	46	49	0	1400	52	48	51	0	1400	47	43	46	5	2700	46	42	45	0
Excavator	1	81	40%	1900	49	45	48	0	1500	51	47	50	0	1500	46	42	45	5	2800	46	42	45	0
Dump Truck	2	76	40%	2000	47	43	46	0	1600	49	45	48	0	1600	44	40	43	5	2900	44	40	43	0
17. Sport Bowl Fine Grading II					66	63				76	72				71	67				60	56		
Other Equipment	- 1	85	50%	600	63	60	63	0	160	75	72	75	0	160	70	67	70	5	1500	55	52	55	0
Other Equipment	1	85	50%	800	61	58	61	0	500	65	62	65	0	500	60	57	60	5	1700	54	51	54	0
Excavator	1	81	40%	1000	55	51	54	0	700	58	54	57	0	700	53	49	52	5	1900	49	45	48	0
Excavator	1	81	40%	1200	53	49	52	0	900	56	52	55	0	900	51	47	50	5	2100	49	45	48	0
Tractor/Loader/Backhoe	2	78	40%	1400	52	48	51	0	1100	54	50	53	0	1100	49	45	48	5	2300	48	44	47	0
Tractor/Loader/Backhoe	2	78	40%	1600	51	47	50	0	1200	53	49	52	0	1200	48	44	47	5	2500	47	43	46	0
Dump Truck	1	76	40%	1900	44	40	43	0	1400	47	43	46	0	1400	42	38	41	5	2900	41	37	40	0
Dump Truck	1	76	40%	2000	44	40	43	0	1600	46	42	45	0	1600	41	37	40	5	3000	40	36	39	0
'																							
Building Construction		T	T	1										Г					1				
18. Roberts Sports Bowl Site Utilities and Wall I Excavator	1	81	40%	600	63 59	59 55	58	0	160	72 71	68 67	70	0	160	67	63 62	65	5	1500	56 51	52 47	50	0
								-					-					-			46		0
Excavator Tractor/Loader/Backhoe	4	81 78	40% 40%	800 1000	57 52	53 48	56 51	0	300 700	65 55	61 51	64 54	0	300 700	60 50	56 46	59 49	5 5	1700 1900	50 46	46 42	49 45	0
Tractor/Loader/Backhoe	1	78	40%	1200	50	46	49	0	900	53	49	52	0	900	48	44	49	5	2100	46	42	45 45	0
Tractor/Loader/Backhoe	1	78	40%	1400	49	45	49	0	1100	53 51	49	50	0	1100	46	42	47	5	2300	45	41	45	0
Tractor/Loader/Backhoe	1	78	40%	1600	49	45	47	0	1200	50	46	49	0	1200	45	41	45	5	2500	45	40	43	0
Dump Truck	1	76	40%	1800	46	44	44	0	1300	48	46	49	0	1300	43	39	44	5	2700	41	37	40	0
Dump Truck	1	76	40%	1900	45	40	44	0	1500	46	44	47	0	1500	43	37	42	5	2900	41	37	40	0
Roller	1	80	20%	2000	48	41	43	0	1600	50	42	46	0	1600	45	38	41	5	3000	44	37	40	0
19. Pathways and Surface Parking II		70	400/	4000	57	52			4400	56	52			000	55	51			0075	50	45	- 10	
Tractor/Loader/Backhoe	1	78	40%	1000	52	48	51	0	1100	51	47	50	0	600	51	47	50	5	2675	43	39	42	0
Roller Pumps	1	80 81	20% 50%	1250 1500	52 51	45 48	48 51	0	1300 1500	52 51	45 48	48 51	0	900 1100	50 49	43 46	46 49	5 5	2750 2825	45 46	38 43	41 46	0
		31	5576	.500		-10	31	Ü	.500		0	31		00		-70	40		2020	-70	-10	10	·
Maximum Combined Overlapping Noise Levels						63					71		_	1		66					58		
Maximum Combined Overlapping Noise Levels						64					74			1		69					58		
Maximum Combined Overlapping Noise Levels	-17,19					63					73			1		68					57		
Maximum Noise Level						64					74					69					58		
Ambient Noise Level						66.8					64.5					68.8					66.8		
Threshold (Ambient +5 dBA) Significant Impact?	1					71.8 No					69.5 Yes					73.8 No					71.8 No		
Significant impact?				l		NO					168			1		NO					NO		

PROJECT NAME

Vibration Level Calculations

					Recepto	r
				N =		1.5
Construction Equipment	Project Equipment	Equipment Velocity Decibels @ 25 Feet* (VdB)	Equipment Peak Particle Velocity @ 25 Feet* (inches/second)	Distance to Structure (Feet)	Estimated Velocity Decibels @ Distance** (VdB)	Estimated Peak Particle Velocity @ Distance*** (inches/second)
Hoe Ram	Yes	87	0.089	110	74.1	0.010
Large Bulldozer	Yes	87	0.089	110	74.1	0.010
Caisson Drilling	Yes	87	0.089	110	67.7	0.010
Loaded Trucks	Yes	86	0.076	110	66.7	0.008
Jackhammer	Yes	79	0.035	110	66.1	0.004
Small Bulldozer	Yes	58	0.003	110	38.7	0.000

Source

Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, 2018.

Notes:

* Values taken from Table 7-4.

** Based on the formula VdB(D) = VdB(25ft) - 30 x LOG10 (D/25), where D is equal to the distance (see page 185).

*** Based on the formula PPV(D) = PPV(25 ft) x $(25/D)^N$, where D is equal to the distance (see page 185).

N = soil type classification factor (typically ranges from 1 to 1.5)

Exhibit C
Traffic Noise
Modeling

Claremont Colleges E. Campus Landfill Horizon Year (2040) Plus Weekday Practice Traffic Noise Levels (dBA CNEL)

	Traffic N	loise Levels (dB	Increase over Existing	
Roadway Segment	Horizon Year	Horizon Year + Weekday Practice	Existing	Significant Impact?
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	69.3	69.3		No
Mills Avenue between Base Line Road and Foothill Boulevard	68.7	68.7		No
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	71.4	71.5	0.1	No
Indian Hill Boulevard between Foothill Boulevard and 6th Street	67.7	67.7	0.0	No
College Avenue between Foothill Boulevard and 6th Street	62.7	62.7	0.0	No
Claremont Boulevard between Foothill Boulevard and 9th Street	69.2	69.4	0.2	No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	70.2	70.2	0.0	No
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	72.7	72.7	0.0	No
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	72.9	72.9	0.0	No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	70.2	70.2	0.0	No
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	69.6	69.6	0.0	No
College Avenue between 6th Street and 1st Street	64.0	64.0	0.0	No
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	68.4	68.4	0.0	No
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	70.6	70.6	0.0	No
Monte Vista/Padua Ave between Arrow Route and 1st Street	73.2	73.3	0.1	No
Indian Hill Boulevard between 1st Street and Arrow Highway	70.4	70.4		No
College Avenue between 1st Street and Arrow Highway	63.9	63.9		No
Claremont Boulevard between 1st Street and Arrow Highway	69.5	69.5		No
Indian Hill Boulevard n/o Base Line Road	64.4	64.4		No
Claremont Boulevard n/o Foothill Boulevard	68.8	68.8		No
Mills Avenue n/o Base Line Road	66.9	66.9		No
Monte Vista/Padua Ave n/o Base Line Road	66.7	66.7		No
Central Avenue s/o Foothill Boulevard	71.7	71.7		No
Monte Vista Avenue s/o 1st Street	73.3	73.3		No
Claremont Boulevard/Mills Avenue s/o Arrow Highway	67.0	67.1		No
College Avenue s/o Arrow Highway College Avenue s/o Arrow Highway	62.1	62.1		No
Indian Hill Boulevard s/o Arrow Highway	70.8	70.8		No
Base Line Road between Indian Hill Boulevard and Mills Avenue	75.2	75.2		No
Base Line Road between Hillian Hill Boulevard and Mills Avenue Base Line Road between Mills Avenue and Monte Vista/Padua Ave	75.2 74.8	75.2 74.8		No
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	74.6 75.5	74.6 75.6		No
<u>'</u>	75.5 72.9	75.6 72.9		No No
Foothill Boulevard between Indian Hill Boulevard and College Avenue	73.2	72.9 73.2		
Foothill Boulevard between College Avenue and Dartmouth Avenue				No
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	73.4	73.5		No
Foothill Boulevard between Mills Avenue and Claremont Boulevard	72.8	72.9		No
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	72.6	72.6		No
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	73.0	73.1		No
6th Street between Indian Hill Boulevard and College Avenue	63.3	63.4		No
6th Street between College Avenue and Mills Avenue	64.1	64.1		No
6th Street between Mills Avenue and Claremont Boulevard	65.2	65.3		No
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	67.4	67.4		No
1st Street between Indian Hill Boulevard and College Avenue	64.8	64.8		No
1st Street between College Avenue and Claremont Boulevard	65.3	65.3		No
1st Street between Claremont Boulevard and Monte Vista Avenue	49.1	49.1		No
Arrow Highway between Indian Hill Boulevard and College Avenue	71.1	71.1		No
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	74.1	74.1		No
Base Line Road e/o I-210 Ramps	74.2	74.2	0.0	No
Foothill Boulevard e/o Central Avenue	69.9	69.9	0.0	No
1st Street e/o Monte Vista Avenue	66.6	66.6	0.0	No
Arrow Highway e/o Claremont Boulevard/Mills Avenue	74.0	74.0	0.0	No
Base Line Road w/o Indian Hill Boulevard	73.3	73.3	0.0	No
Foothill Boulevard w/o Indian Hill Boulevard	71.0	71.0	0.0	No
Claremont Boulevard w/o Monte Vista/Padua Ave	69.0	69.0	0.0	No

Claremont Colleges E. Campus Landfill Horizon Year (2040) Plus Weekday Game

	Traffic N			
		Horizon Year	Increses over	Cianificant
	Horizon Year	+ Weekday	Increase over	Significant
Roadway Segment		Game	Existing	Impact?
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	69.3	69.3	0.0	No
Mills Avenue between Base Line Road and Foothill Boulevard	68.7	68.7	0.0	No
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	71.4	71.5	0.1	No
Indian Hill Boulevard between Foothill Boulevard and 6th Street	67.7	67.7	0.0	No
College Avenue between Foothill Boulevard and 6th Street	62.7	62.7	0.0	No
Claremont Boulevard between Foothill Boulevard and 9th Street	69.2	69.5	0.4	No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	70.2	70.2	0.0	No
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	72.7	72.7	0.1	No
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	72.9	72.9	0.0	No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	70.2	70.2	0.0	No
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	69.6	69.6	0.0	No
College Avenue between 6th Street and 1st Street	64.0	64.0	0.0	No
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	68.4	68.4	0.0	No
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	70.6	70.6	0.0	No
Monte Vista/Padua Ave between Arrow Route and 1st Street	73.2	73.3	0.0	No
	70.4	73.3 70.4	0.1	
Indian Hill Boulevard between 1st Street and Arrow Highway	63.9	63.9		No
College Avenue between 1st Street and Arrow Highway			0.0	No
Claremont Boulevard between 1st Street and Arrow Highway	69.5	69.5	0.0	No
Indian Hill Boulevard n/o Base Line Road	64.4	64.4	0.0	No
Claremont Boulevard n/o Foothill Boulevard	68.8	68.8	0.0	No
Mills Avenue n/o Base Line Road	66.9	66.9	0.0	No
Monte Vista/Padua Ave n/o Base Line Road	66.7	66.8	0.1	No
Central Avenue s/o Foothill Boulevard	71.7	71.7	0.0	No
Monte Vista Avenue s/o 1st Street	73.3	73.3	0.1	No
Claremont Boulevard/Mills Avenue s/o Arrow Highway	67.0	67.1	0.1	No
College Avenue s/o Arrow Highway	62.1	62.1	0.0	No
Indian Hill Boulevard s/o Arrow Highway	70.8	70.8	0.0	No
Base Line Road between Indian Hill Boulevard and Mills Avenue	75.2	75.2	0.0	No
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	74.8	74.8	0.0	No
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	75.5	75.6	0.0	No
Foothill Boulevard between Indian Hill Boulevard and College Avenue	72.9	72.9	0.0	No
Foothill Boulevard between College Avenue and Dartmouth Avenue	73.2	73.2	0.0	No
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	73.4	73.5	0.0	No
Foothill Boulevard between Mills Avenue and Claremont Boulevard	72.8	72.9	0.1	No
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	72.6	72.6	0.0	No
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	73.0	73.1	0.0	No
6th Street between Indian Hill Boulevard and College Avenue	63.3	63.4	0.1	No
6th Street between College Avenue and Mills Avenue	64.1	64.1	0.1	No
6th Street between Mills Avenue and Claremont Boulevard	65.2	65.3	0.1	No
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	67.4	67.4	0.1	No
1st Street between Indian Hill Boulevard and College Avenue	64.8	64.9	0.1	No
1st Street between College Avenue and Claremont Boulevard	65.3	65.4	0.1	No
1st Street between Claremont Boulevard and Monte Vista Avenue	49.1	49.1	0.0	No
Arrow Highway between Indian Hill Boulevard and College Avenue	71.1	71.1	0.0	No
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	74.1	74.1	0.0	No
Base Line Road e/o I-210 Ramps	74.2	74.2	0.0	No
Foothill Boulevard e/o Central Avenue	69.9	69.9	0.0	No
1st Street e/o Monte Vista Avenue	66.6	66.6	0.0	No
Arrow Highway e/o Claremont Boulevard/Mills Avenue	74.0	74.0	0.0	No
Base Line Road w/o Indian Hill Boulevard	73.3	73.3	0.0	No
Foothill Boulevard w/o Indian Hill Boulevard	71.0	71.0	0.0	No
Claremont Boulevard w/o Monte Vista/Padua Ave	69.0	69.0	0.0	No

Claremont Colleges E. Campus Landfill Horizon Year Weekend (2040) Plus Weekend Game in Fall Traffic Noise Levels (dBA CNEL)

	Traffic N	ioise Leveis (ab.	A CNEL)	
Roadway Segment	Horizon Year Weekend	Horizon Year + Weekend Game (Fall)	Increase over Existing	Significant Impact?
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	68.1	68.2	0.1	No
Mills Avenue between Base Line Road and Foothill Boulevard	67.5	68.0	0.5	No
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	71.6	71.7	0.1	No
Indian Hill Boulevard between Foothill Boulevard and 6th Street	68.1	68.1	0.0	No
College Avenue between Foothill Boulevard and 6th Street	61.8	61.8	0.0	No
Claremont Boulevard between Foothill Boulevard and 9th Street	68.5	69.2	0.7	No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	68.8	69.2	0.4	No
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	72.1	72.2	0.1	No
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	73.2	73.3	0.1	No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	68.8	69.2	0.4	No
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	69.7	69.8	0.1	No
College Avenue between 6th Street and 1st Street	63.7	63.7	0.0	No
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	68.6	68.6	0.0	No
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	69.6	69.8	0.2	No
Monte Vista/Padua Ave between Arrow Route and 1st Street	73.0	73.2	0.2	No
Indian Hill Boulevard between 1st Street and Arrow Highway	71.0	71.0	0.0	No
College Avenue between 1st Street and Arrow Highway	63.2	63.2	0.0	No
Claremont Boulevard between 1st Street and Arrow Highway	68.0	68.2	0.2	No
Indian Hill Boulevard n/o Base Line Road	64.0	64.2	0.2	No
Claremont Boulevard n/o Foothill Boulevard	67.9	68.0	0.1	No
Mills Avenue n/o Base Line Road	67.5	67.5	0.0	No
Monte Vista/Padua Ave n/o Base Line Road	67.2	67.3	0.1	No
Central Avenue s/o Foothill Boulevard	70.5	70.5	0.0	No
Monte Vista Avenue s/o 1st Street	73.2	73.3	0.1	No
Claremont Boulevard/Mills Avenue s/o Arrow Highway	65.8	66.0	0.2	No
College Avenue s/o Arrow Highway	60.7	60.7	0.0	No
Indian Hill Boulevard s/o Arrow Highway	71.3	71.3	0.0	No
Base Line Road between Indian Hill Boulevard and Mills Avenue	73.9	74.1	0.2	No
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	74.1	74.1	0.0	No
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	75.1	75.1	0.0	No
Foothill Boulevard between Indian Hill Boulevard and College Avenue	72.4	72.4	0.0	No
Foothill Boulevard between College Avenue and Dartmouth Avenue	72.9	72.9	0.0	No
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	72.5	72.6	0.1	No
Foothill Boulevard between Mills Avenue and Claremont Boulevard	72.1	72.4	0.3	No
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	72.0	72.2	0.2	No
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	72.6	72.7	0.1	No
6th Street between Indian Hill Boulevard and College Avenue	63.4	63.6	0.2	No
6th Street between College Avenue and Mills Avenue	64.3	64.4	0.1	No
6th Street between Mills Avenue and Claremont Boulevard	65.1	65.2	0.1	No
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	66.5	66.6	0.1	No
1st Street between Indian Hill Boulevard and College Avenue	64.7	64.8	0.1	No
1st Street between College Avenue and Claremont Boulevard	64.6	64.7	0.1	No
1st Street between Claremont Boulevard and Monte Vista Avenue	47.7	47.7	0.0	No
Arrow Highway between Indian Hill Boulevard and College Avenue	71.5	71.6	0.1	No
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	74.5	74.5	0.0	No
Base Line Road e/o I-210 Ramps	73.4	73.4	0.0	No
Foothill Boulevard e/o Central Avenue	69.3	69.4	0.1	No
1st Street e/o Monte Vista Avenue	62.6	62.6	0.0	No
Arrow Highway e/o Claremont Boulevard/Mills Avenue	73.0	73.0	0.0	No
Base Line Road w/o Indian Hill Boulevard	73.0 72.7	73.0 72.7	0.0	No No
Foothill Boulevard w/o Indian Hill Boulevard	70.7	70.8	0.0	No
Claremont Boulevard w/o Monte Vista/Padua Ave	68.4	68.4	0.0	No
Cialemont bodievard wio Monte vista/Fadda Ave	00.4	00.4	0.0	NO

Claremont Colleges E. Campus Landfill Horizon Year Weekend (2040) + Weekend Game in Spring Traffic Noise Levels (dBA CNEL)

	Traffic Noise Levels (dBA CNEL) Horizon Year				
	Hariman Vaan	Weekend +		Cinnificant	
	Horizon Year	Weekend	Increase over	Significant	
	Weekend	Game	Existing	Impact?	
Roadway Segment		(Spring)			
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	68.1	68.1	0.0	No	
Mills Avenue between Base Line Road and Foothill Boulevard	67.5	67.8	0.3	No	
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	71.6	71.7	0.3	No	
	68.1	68.1	0.0	No	
Indian Hill Boulevard between Foothill Boulevard and 6th Street					
College Avenue between Foothill Boulevard and 6th Street	61.8	61.8	0.0	No	
Claremont Boulevard between Foothill Boulevard and 9th Street	68.5	68.9	0.4	No	
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	68.8	69.1	0.3	No	
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	72.1	72.2	0.1	No	
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	73.2	73.3	0.1	No	
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	68.8	69.1	0.3	No	
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	69.7	69.8	0.1	No	
College Avenue between 6th Street and 1st Street	63.7	63.7	0.0	No	
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	68.6	68.6	0.0	No	
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	69.6	69.7	0.1	No	
Monte Vista/Padua Ave between Arrow Route and 1st Street	73.0	73.1	0.1	No	
Indian Hill Boulevard between 1st Street and Arrow Highway	71.0	71.0	0.0	No	
College Avenue between 1st Street and Arrow Highway	63.2	63.2	0.0	No	
Claremont Boulevard between 1st Street and Arrow Highway	68.0	68.1	0.1	No	
Indian Hill Boulevard n/o Base Line Road	64.0	64.1	0.1	No	
Claremont Boulevard n/o Foothill Boulevard	67.9	68.0	0.1	No	
Mills Avenue n/o Base Line Road	67.5	67.5	0.0	No	
Monte Vista/Padua Ave n/o Base Line Road	67.2	67.2	0.0	No	
Central Avenue s/o Foothill Boulevard	70.5	70.5	0.0	No	
Monte Vista Avenue s/o 1st Street	70.5	73.3	0.0	No	
Claremont Boulevard/Mills Avenue s/o Arrow Highway	73.2 65.8	65.9		No	
			0.1		
College Avenue s/o Arrow Highway	60.7	60.7	0.0	No	
Indian Hill Boulevard s/o Arrow Highway	71.3	71.3	0.0	No	
Base Line Road between Indian Hill Boulevard and Mills Avenue	73.9	74.0	0.1	No	
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	74.1	74.1	0.0	No	
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	75.1	75.1	0.0	No	
Foothill Boulevard between Indian Hill Boulevard and College Avenue	72.4	72.4	0.0	No	
Foothill Boulevard between College Avenue and Dartmouth Avenue	72.9	72.9	0.0	No	
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	72.5	72.6	0.1	No	
Foothill Boulevard between Mills Avenue and Claremont Boulevard	72.1	72.3	0.2	No	
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	72.0	72.1	0.1	No	
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	72.6	72.7	0.1	No	
6th Street between Indian Hill Boulevard and College Avenue	63.4	63.5	0.1	No	
6th Street between College Avenue and Mills Avenue	64.3	64.4	0.1	No	
6th Street between Mills Avenue and Claremont Boulevard	65.1	65.2	0.1	No	
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	66.5	66.6	0.1	No	
1st Street between Indian Hill Boulevard and College Avenue	64.7	64.8	0.1	No	
1st Street between College Avenue and Claremont Boulevard	64.6	64.7	0.1	No	
1st Street between Claremont Boulevard and Monte Vista Avenue	47.7	47.7	0.0	No	
Arrow Highway between Indian Hill Boulevard and College Avenue	71.5	71.5	0.0	No	
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	74.5	74.5	0.0	No	
Base Line Road e/o I-210 Ramps	73.4	73.4	0.0	No	
Foothill Boulevard e/o Central Avenue	69.3	69.4	0.0	No	
1st Street e/o Monte Vista Avenue	62.6	62.6	0.0	No	
Arrow Highway e/o Claremont Boulevard/Mills Avenue	73.0	73.0	0.0	No	
Base Line Road w/o Indian Hill Boulevard	72.7	72.7	0.0	No	
Foothill Boulevard w/o Indian Hill Boulevard	70.7	70.8	0.1	No	
Claremont Boulevard w/o Monte Vista/Padua Ave	68.4	68.4	0.0	No	

Claremont Colleges E. Campus Landfill Opening Year (2027) Plus Weekday Practice Traffic Noise Levels (dBA CNEL)

Roadway SegmentOpening Year + Weekday PracticeOpening Year + Weekday PracticeIncrease over ExistingIndian Hill Boulevard between Base Line Road and Foothill Boulevard68.668.60.0Mills Avenue between Base Line Road and Foothill Boulevard67.767.70.0Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard70.870.90.1Indian Hill Boulevard between Foothill Boulevard and 6th Street66.666.60.0College Avenue between Foothill Boulevard and 6th Street62.562.50.0Claremont Boulevard between Foothill Boulevard and 9th Street69.069.20.2Claremont Boulevard between 9th Street and 6th Street/Arrow Route69.369.40.1Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard70.370.40.1	Significant Impact? No
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	No
Mills Avenue between Base Line Road and Foothill Boulevard 67.7 67.7 0.0 Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard 70.8 70.9 0.1 Indian Hill Boulevard between Foothill Boulevard and 6th Street 66.6 66.6 0.0 College Avenue between Foothill Boulevard and 6th Street 62.5 62.5 0.0 Claremont Boulevard between Foothill Boulevard and 9th Street 69.0 69.2 0.2 Claremont Boulevard between 9th Street and 6th Street/Arrow Route 69.3 69.4 0.1 Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard 70.3 70.4 0.1	No
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard 70.8 70.9 0.1 Indian Hill Boulevard between Foothill Boulevard and 6th Street 66.6 66.6 0.0 College Avenue between Foothill Boulevard and 6th Street 62.5 62.5 0.0 Claremont Boulevard between Foothill Boulevard and 9th Street 69.0 69.2 0.2 Claremont Boulevard between 9th Street and 6th Street/Arrow Route 69.3 69.4 0.1 Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard 70.3 70.4 0.1	No No No No No No No
Indian Hill Boulevard between Foothill Boulevard and 6th Street College Avenue between Foothill Boulevard and 6th Street 62.5 62.5 0.0 Claremont Boulevard between Foothill Boulevard and 9th Street Claremont Boulevard between 9th Street and 6th Street/Arrow Route 69.3 69.4 0.1 Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard 70.3 70.4 0.1	No No No No No No No
College Avenue between Foothill Boulevard and 6th Street62.562.50.0Claremont Boulevard between Foothill Boulevard and 9th Street69.069.20.2Claremont Boulevard between 9th Street and 6th Street/Arrow Route69.369.40.1Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard70.370.40.1	No No No No No No
Claremont Boulevard between Foothill Boulevard and 9th Street Claremont Boulevard between 9th Street and 6th Street/Arrow Route 69.0 69.2 0.2 Claremont Boulevard between 9th Street and 6th Street/Arrow Route 69.3 69.4 0.1 Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard 70.3 70.4 0.1	No No No No No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route 69.3 69.4 0.1 Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard 70.3 70.4 0.1	No No No No No
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard 70.3 70.4 0.1	No No No No
	No No No
	No No
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route 71.3 71.3 0.0	No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route 69.3 69.4 0.1	
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street 68.6 0.0	No
College Avenue between 6th Street and 1st Street 63.0 63.0 0.0	
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street 67.1 67.1 0.0	No
Claremont Boulevard between 6th Street/Arrow Route and 1st Street 69.5 0.0	No
Monte Vista/Padua Ave between Arrow Route and 1st Street 71.7 71.8 0.1	No
Indian Hill Boulevard between 1st Street and Arrow Highway 69.0 69.0 0.0	No
College Avenue between 1st Street and Arrow Highway 63.1 63.1 0.0	No
Claremont Boulevard between 1st Street and Arrow Highway 67.9 67.9 0.0	No
Indian Hill Boulevard n/o Base Line Road 63.5 63.5 0.0	No
Claremont Boulevard n/o Foothill Boulevard 68.3 68.3 0.0	No
Mills Avenue n/o Base Line Road 67.0 67.0 0.0	No
Monte Vistal/Padua Ave n/o Base Line Road 66.3 66.3 0.1	No
Central Avenue s/o Foothill Boulevard 68.7 68.7 0.0	No
Monte Vista Avenue s/o 1st Street 71.9 72.0 0.1	No
Claremont Boulevard/Mills Avenue s/o Arrow Highway 66.7 66.8 0.0	No
College Avenue s/o Arrow Highway 61.4 61.4 0.0	No
Indian Hill Boulevard s/o Arrow Highway 69.9 69.9 0.0	No
Base Line Road between Indian Hill Boulevard and Mills Avenue 73.4 73.4 0.0	No
Base Line Road between Mills Avenue and Monte Vista/Padua Ave 72.8 72.8 0.0	No
	No
Foothill Boulevard between Indian Hill Boulevard and College Avenue 72.0 72.0 0.0	No
Foothill Boulevard between College Avenue and Dartmouth Avenue 72.4 72.4 0.0	No
Foothill Boulevard between Dartmouth Avenue and Mills Avenue 72.7 72.7 0.0	No
Foothill Boulevard between Mills Avenue and Claremont Boulevard 72.0 72.1 0.1	No
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave 71.8 71.8 0.0	No
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue 72.1 72.2 0.0	No
6th Street between Indian Hill Boulevard and College Avenue 59.9 60.0 0.1	No
6th Street between College Avenue and Mills Avenue 62.3 62.4 0.1	No
61.1 63.2 0.1 63.2 63.1 63.2 63.2 63.1 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2	No
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave 64.4 64.5 0.1	No
1st Street between Indian Hill Boulevard and College Avenue 62.2 62.3 0.1	No
1st Street between College Avenue and Claremont Boulevard 61.5 61.6 0.1	No
1st Street between Claremont Boulevard and Monte Vista Avenue 48.5 48.5 0.0	No
Arrow Highway between Indian Hill Boulevard and College Avenue 70.3 70.3 0.0	No
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue 73.2 73.2 0.0	No
Base Line Road e/o I-210 Ramps 73.2 73.2 0.0	No
Foothill Boulevard e/o Central Åvenue 69.6 69.6 0.0	No
1st Street e/o Monte Vista Avenue 63.2 63.2 0.0	No
Arrow Highway e/o Claremont Boulevard/Mills Avenue 72.6 72.6 0.0	
Base Line Road w/o Indian Hill Boulevard 72.4 0.0	No
Foothill Boulevard Wo Indian Hill Boulevard 70.2 70.2 0.0	No No
Claremont Boulevard w/o Monte Vista/Padua Ave 67.6 67.6 0.0	No No No

Claremont Colleges E. Campus Landfill Opening Year (2027) Plus Weekday Game

Opening Year (2027) Plus W				-
	Traffic N	loise Levels (dB/	A CNEL)	
Roadway Segment	Opening Year	Opening Year + Weekday Game	Increase over Existing	Significant Impact?
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	68.6	68.6	0.0	No
Mills Avenue between Base Line Road and Foothill Boulevard	67.7	67.7	0.0	No
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	70.8	70.9	0.1	No
Indian Hill Boulevard between Foothill Boulevard and 6th Street	66.6	66.6	0.0	No
College Avenue between Foothill Boulevard and 6th Street	62.5	62.5	0.0	No
Claremont Boulevard between Foothill Boulevard and 9th Street	69.0	69.4	0.4	No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	69.3	69.5	0.2	No
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	70.3	70.5	0.1	No
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	71.3	71.3	0.0	No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	69.3	69.5	0.2	No
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	68.6	68.6	0.0	No
College Avenue between 6th Street and 1st Street	63.0	63.0	0.0	No
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	67.1	67.1	0.0	No
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	69.5	69.6	0.0	No
Monte Vista/Padua Ave between Arrow Route and 1st Street	71.7	71.9	0.2	No
Indian Hill Boulevard between 1st Street and Arrow Highway	69.0	69.0	0.0	No
College Avenue between 1st Street and Arrow Highway	63.1	63.1	0.0	No
Claremont Boulevard between 1st Street and Arrow Highway	67.9	67.9	0.0	No
Indian Hill Boulevard n/o Base Line Road	63.5	63.5	0.0	No
Claremont Boulevard n/o Foothill Boulevard	68.3	68.3	0.0	No
Mills Avenue n/o Base Line Road	67.0	67.0	0.0	No
Monte Vista/Padua Ave n/o Base Line Road	66.3	66.4	0.0	No
Central Avenue s/o Foothill Boulevard	68.7	68.7	0.0	No
Monte Vista Avenue s/o 1st Street	71.9	72.0	0.0	No
	66.7	66.8	0.1	No
Claremont Boulevard/Mills Avenue s/o Arrow Highway	61.4	61.4	0.0	No
College Avenue s/o Arrow Highway	69.9	69.9	0.0	No
Indian Hill Boulevard s/o Arrow Highway	73.4	73.4	0.0	No No
Base Line Road between Indian Hill Boulevard and Mills Avenue Base Line Road between Mills Avenue and Monte Vista/Padua Ave	73.4 72.8	73.4 72.8	0.0	No
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	74.5 72.0	74.5	0.0	No
Foothill Boulevard between Indian Hill Boulevard and College Avenue	72.0 72.4	72.1	0.0	No
Foothill Boulevard between College Avenue and Dartmouth Avenue	72.4 72.7	72.4	0.0	No
Foothill Boulevard between Dartmouth Avenue and Mills Avenue		72.8	0.0	No
Foothill Boulevard between Mills Avenue and Claremont Boulevard	72.0	72.2	0.1	No
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	71.8	71.8	0.0	No
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	72.1	72.2	0.1	No
6th Street between Indian Hill Boulevard and College Avenue	59.9	60.1	0.2	No
6th Street between College Avenue and Mills Avenue	62.3	62.5	0.1	No
6th Street between Mills Avenue and Claremont Boulevard	63.1	63.2	0.1	No
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	64.4	64.6	0.2	No
1st Street between Indian Hill Boulevard and College Avenue	62.2	62.3	0.1	No
1st Street between College Avenue and Claremont Boulevard	61.5	61.6	0.1	No
1st Street between Claremont Boulevard and Monte Vista Avenue	48.5	48.5	0.0	No
Arrow Highway between Indian Hill Boulevard and College Avenue	70.3	70.4	0.0	No
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	73.2	73.2	0.0	No
Base Line Road e/o I-210 Ramps	73.2	73.2	0.0	No
Foothill Boulevard e/o Central Avenue	69.6	69.6	0.0	No
1st Street e/o Monte Vista Avenue	63.2	63.2	0.0	No
Arrow Highway e/o Claremont Boulevard/Mills Avenue	72.6	72.6	0.0	No
Base Line Road w/o Indian Hill Boulevard	72.4	72.4	0.0	No
Foothill Boulevard w/o Indian Hill Boulevard	70.2	70.2	0.0	No
Claremont Boulevard w/o Monte Vista/Padua Ave	67.6	67.6	0.0	No

Claremont Colleges E. Campus Landfill Opening Year Weekend (2027) Plus Weekend Game in Fall Traffic Noise Levels (dBA CNEL)

	Traffic N	loise Levels (dB	A CNEL)	
Roadway Segment	Opening Year	Opening Year + Weekend Game (Fall)	Increase over Existing	Significant Impact?
1st Street between Claremont Boulevard and Monte Vista Avenue	47.7	47.3	-0.4	No
1st Street between College Avenue and Claremont Boulevard	61.3	60.8	-0.5	No
1st Street between Indian Hill Boulevard and College Avenue	61.9	62.3	0.4	No
1st Street e/o Monte Vista Avenue	63.0	61.2	-1.8	No
6th Street between College Avenue and Mills Avenue	61.4	62.1	0.6	No
6th Street between Indian Hill Boulevard and College Avenue	57.6	59.4	1.8	No
6th Street between Mills Avenue and Claremont Boulevard	62.3	62.5	0.2	No
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	63.8	63.4	-0.4	No
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	72.9	73.7	0.8	No
Arrow Highway between Indian Hill Boulevard and College Avenue	70.0	70.7	0.7	No
Arrow Highway e/o Claremont Boulevard/Mills Avenue	72.3	73.2	0.9	No
Base Line Road between Indian Hill Boulevard and Mills Avenue	73.2	72.1	-1.0	No
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	72.6	71.9	-0.7	No
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	74.2	74.1	-0.1	No
Base Line Road e/o I-210 Ramps	72.9	72.3	-0.6	No
Base Line Road e/o 1-210 Ramps Base Line Road w/o Indian Hill Boulevard	72.3	71.8	-0.5	No
Central Avenue s/o Foothill Boulevard	68.9	68.9	0.0	No
Claremont Boulevard between 1st Street and Arrow Highway	67.1	67.3	0.0	No
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	68.3	68.6	0.2	No
	68.1	68.7	0.6	No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route Claremont Boulevard between 9th Street and 6th Street/Arrow Route	68.1	68.7	0.6	No
Claremont Boulevard between Foothill Boulevard and 9th Street	68.0	68.8	0.8	No
	67.4	67.5		
Claremont Boulevard n/o Foothill Boulevard			0.1	No
Claremont Boulevard w/o Monte Vista/Padua Ave	67.4 65.7	67.1 65.9	-0.3 0.2	No No
Claremont Boulevard/Mills Avenue s/o Arrow Highway	62.0	62.0	0.2	No
College Avenue between 1st Street and Arrow Highway	62.6	62.6	0.0	No
College Avenue between 6th Street and 1st Street				
College Avenue between Foothill Boulevard and 6th Street	61.2 59.6	61.2 59.6	0.0 0.0	No No
College Avenue s/o Arrow Highway	59.6 71.3		0.0	
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave		71.4		No
Foothill Boulevard between College Avenue and Dartmouth Avenue	72.1	72.2	0.1	No
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	72.4 71.7	71.8	-0.6	No
Foothill Boulevard between Indian Hill Boulevard and College Avenue		71.5	-0.1	No
Foothill Boulevard between Mills Avenue and Claremont Boulevard	71.6	71.9	0.2	No
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	71.7	71.7	0.0	No
Foothill Boulevard e/o Central Avenue	69.1	69.4	0.2	No
Foothill Boulevard w/o Indian Hill Boulevard	70.0	69.8	-0.2	No
Indian Hill Boulevard between 1st Street and Arrow Highway	68.8	68.8	0.0	No
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	67.9	68.0	0.1	No
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	66.3	66.3	0.0	No
Indian Hill Boulevard between Foothill Boulevard and 6th Street	66.4	66.4	0.0	No
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	66.7	66.7	0.0	No
Indian Hill Boulevard n/o Base Line Road	62.9	63.1	0.2	No
Indian Hill Boulevard s/o Arrow Highway	70.0	70.0	0.0	No
Mills Avenue between Base Line Road and Foothill Boulevard	66.2	66.7	0.5	No
Mills Avenue n/o Base Line Road	66.7	66.7	0.0	No
Monte Vista Avenue s/o 1st Street	71.7	71.9	0.2	No
Monte Vista/Padua Ave between Arrow Route and 1st Street	70.9	71.3	0.4	No
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	70.4	70.6	0.2	No
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	70.1	70.4	0.2	No
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	70.6	70.8	0.2	No
Monte Vista/Padua Ave n/o Base Line Road	66.5	66.6	0.1	No

Claremont Colleges E. Campus Landfill Opening Year Weekend (2027) Plus Weekend Game in Spring Traffic Noise Levels (dBA CNEL)

, ,	Traffic N	loise Levels (dB	A CNEL)	
Roadway Segment	Opening Year	Opening Year + Weekend Game (Spring)	Increase over Existing	Significant Impact?
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	66.3	66.3	0.0	No
Mills Avenue between Base Line Road and Foothill Boulevard	66.2	66.5	0.3	No
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	70.4	70.6	0.1	No
Indian Hill Boulevard between Foothill Boulevard and 6th Street	66.4	66.4	0.0	No
College Avenue between Foothill Boulevard and 6th Street	61.2	61.2	0.0	No
Claremont Boulevard between Foothill Boulevard and 9th Street	68.0	68.5	0.5	•
	68.1	68.5		No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	70.1	70.3	0.4	. No
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	70.6	70.8	0.2	. No
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	68.1	68.5	0.1	. No
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	67.9	•	0.4	No
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street		68.0	0.0	No
College Avenue between 6th Street and 1st Street	62.6	62.6	0.0	No
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	66.7	66.7	0.0	No
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	68.3	68.5	0.2	No
Monte Vista/Padua Ave between Arrow Route and 1st Street	70.9	71.2	0.2	No
Indian Hill Boulevard between 1st Street and Arrow Highway	68.8	68.8	0.0	No
College Avenue between 1st Street and Arrow Highway	62.0	62.0	0.0	No
Claremont Boulevard between 1st Street and Arrow Highway	67.1	67.2	0.1	No
Indian Hill Boulevard n/o Base Line Road	62.9	63.0	0.1	No
Claremont Boulevard n/o Foothill Boulevard	67.4	67.4	0.1	No
Mills Avenue n/o Base Line Road	66.7	66.7	0.0	No
Monte Vista/Padua Ave n/o Base Line Road	66.5	66.6	0.1	No
Central Avenue s/o Foothill Boulevard	68.9	68.9	0.0	No
Monte Vista Avenue s/o 1st Street	71.7	71.8	0.2	No
Claremont Boulevard/Mills Avenue s/o Arrow Highway	65.7	65.8	0.1	No
College Avenue s/o Arrow Highway	59.6	59.6	0.0	No
Indian Hill Boulevard s/o Arrow Highway	70.0	70.0	0.0	No
Base Line Road between Indian Hill Boulevard and Mills Avenue	73.2	72.1	-1.1	No
	72.6	71.9	-0.7	•
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	74.2	74.0		No No
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	71.7	71.5	-0.1	. No
Foothill Boulevard between Indian Hill Boulevard and College Avenue	72.1	72.2	-0.2	. No
Foothill Boulevard between College Avenue and Dartmouth Avenue	72.1	71.8	0.1	. No
Foothill Boulevard between Dartmouth Avenue and Mills Avenue			-0.6	No
Foothill Boulevard between Mills Avenue and Claremont Boulevard	71.6	71.8	0.2	No
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	71.3	71.3	0.0	No
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	71.7	71.6	0.0	No
6th Street between Indian Hill Boulevard and College Avenue	57.6	59.3	1.6	No
6th Street between College Avenue and Mills Avenue	61.4	62.0	0.6	No
6th Street between Mills Avenue and Claremont Boulevard	62.3	62.4	0.1	No
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	63.8	63.3	-0.5	No
1st Street between Indian Hill Boulevard and College Avenue	61.9	62.2	0.3	No
1st Street between College Avenue and Claremont Boulevard	61.3	60.7	-0.6	No
1st Street between Claremont Boulevard and Monte Vista Avenue	47.7	47.3	-0.4	No
Arrow Highway between Indian Hill Boulevard and College Avenue	70.0	70.7	0.7	No
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	72.9	73.7	0.8	No
Base Line Road e/o I-210 Ramps	72.9	72.3	-0.6	No
Foothill Boulevard e/o Central Avenue	69.1	69.3	0.2	No
1st Street e/o Monte Vista Avenue	63.0	61.2	-1.8	No
Arrow Highway e/o Claremont Boulevard/Mills Avenue	72.3	73.2	0.9	No
Base Line Road w/o Indian Hill Boulevard	72.3	71.8	-0.5	No
Foothill Boulevard w/o Indian Hill Boulevard	70.0	69.8	-0.2	No
Claremont Boulevard w/o Monte Vista/Padua Ave	67.4	67.0	-0.4	No No
	07.4	_	-0.4	INO

TRAFFIC NOISE ANALYSIS TOOL



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Existing (2023) Weekend Source of Traffic Volumes: KOA

Segment	Ground Type	Distance from Roadway to	Sp	eed (mp	oh)	Peak	Hour V	olume	Peak Hour Noise Level (Leq(h)	Noise Level
	туре	Receiver (feet)	Auto	MT	HT	Auto	MT	HT	dBA)	UBA CNEL
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	9	0	0	46.6	46.9
1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	269	6	3	59.8	60.1
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	391	8	4	61.4	61.7
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	158	3	2	60.8	61.1
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	315	7	3	60.6	60.9
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	150	3	2	57.2	57.5
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	359	7	4	61.0	61.3
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua A		30	30	30	25	439	9	5	61.9	62.2
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1926	40	20	73.0	73.3
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard	30	35	35	30	1952	40	20	70.0	70.3
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1738	36	18	72.6	72.9
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	1323	27	14	71.5	71.8
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	1275	26	13	71.3	71.6
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	2077	43	21	73.3	73.6
Base Line Road e/o I-210 Ramps	Hard	30	40	40	35	2008	41	21	71.7	72.0
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	1875	39	19	71.4	71.7
Central Avenue s/o Foothill Boulevard	Hard	30	40	40	35	807	17	8	67.9	68.2
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	845	17	9	66.4	66.7
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	782	16	8	67.7	68.0
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	732	15	8	67.4	67.7
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	732	15	8	67.4	67.7
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	715	15	7	67.2	67.5
Claremont Boulevard n/o Foothill Boulevard	Hard	30	40	40	35	655	14	7	66.9	67.2
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	613	13	6	66.6	66.9
Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	35	35	30	631	13	7	65.1	65.4
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	390	8	4	61.5	61.8
College Avenue between 1st Street and 1st Street	Hard	30	30	30	25	445	9	5	62.0	62.3
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	323	7	3	60.6	60.9
College Avenue s/o Arrow Highway	Hard	30	30	30	25	226	5	2	59.0	59.3
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	1447	30	15	70.3	70.6
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	1884	39	19	71.5	71.8
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	1724	36	18	71.1	71.4
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	1602	33	17	70.8	71.1
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	1669	34	17	70.9	71.2
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	1570	32	16	70.7	71.0
Foothill Boulevard e/o Central Avenue	Hard	30	30	30	25	1908	39	20	68.3	68.6
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1111	23	11	69.3	69.6
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1275	26	13	68.3	68.6
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1032	21	11	67.4	67.7
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	713	15	7	65.8	66.1
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1022	21	11	65.7	66.0
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1120	23	12	66.1	66.4
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	319	7	3	62.2	62.5
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	1620	33	17	69.2	69.5
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	497	10	5	65.7	66.0
Mills Avenue n/o Base Line Road	Hard	30	40	40	35	531	11	5	66.0	66.3
Monte Vista Avenue s/o 1st Street	Hard	30	45	45	40	1218	25	13	71.1	71.4
Monte Vista Avenue 3/0 1st Street Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1016	21	10	70.2	70.5
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1272	26	13	69.8	70.3
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	830	17	9	69.4	69.7
Monte Vista/Fadua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	947	20	10	69.9	70.2
Monte Vista/Padua Ave between Pootnin Boulevard and Arrow Route Monte Vista/Padua Ave n/o Base Line Road	Hard	30	40	40	35	525	11	5	66.0	66.3
wionte vistaji auda Ave ii/o pase Lilie nodu	rialu	30	40	40	33	323	11	э	0.00	00.5

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	735	671	735	713	15	7
Mills Avenue between Base Line Road and Foothill Boulevard	512	501	512	497	10	5
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,311	1,112	1,311	1,272	26	13
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,050	1,054	1,054	1,022	21	11
College Avenue between Foothill Boulevard and 6th Street	319	333	333	323	7	3
Claremont Boulevard between Foothill Boulevard and 9th Street	737	673	737	715	15	7
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	755	728	755	732	15	8
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	856	767	856	830	17	9
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	976	850	976	947	20	10
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	755	728	755	732	15	8
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,061	1,064	1,064	1,032	21	11
College Avenue between 6th Street and 1st Street	447	459	459	445	9	5
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,155	1,026	1,155	1,120	23	12
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	806	772	806	782	16	8
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,039	1,047	1,047	1,016	21	10
Indian Hill Boulevard between 1st Street and Arrow Highway	1,314	1,177	1,314	1,275	26	13
College Avenue between 1st Street and Arrow Highway	402	400	402	390	8	4
Claremont Boulevard between 1st Street and Arrow Highway	734	871	871	845	17	9
Indian Hill Boulevard n/o Base Line Road	329	290	329	319	7	3
Claremont Boulevard n/o Foothill Boulevard	675	612	675	655	14	7
Mills Avenue n/o Base Line Road	547	535	547	531	11	5
Monte Vista/Padua Ave n/o Base Line Road	541	476	541	525	11	5
Central Avenue s/o Foothill Boulevard	832	817	832	807	17	8
Monte Vista Avenue s/o 1st Street	1,104	1,256	1,256	1,218	25	13
Claremont Boulevard/Mills Avenue s/o Arrow Highway	563	650	650	631	13	7
College Avenue s/o Arrow Highway	193	233	233	226	5	2
Indian Hill Boulevard s/o Arrow Highway	1,670	1,615	1,670	1,620	33	17
Base Line Road between Indian Hill Boulevard and Mills Avenue	1,364	1,262	1,364	1,323	27	14
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	1,314	1,258	1,314	1,275	26	13
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	2,141	2,105	2,141	2,077	43	21
Foothill Boulevard between Indian Hill Boulevard and College Avenue	1,652	1,634	1,652	1,602	33	17
Foothill Boulevard between College Avenue and Dartmouth Avenue	1,747	1,942	1,942	1,884	39	19
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	1,766	1,777	1,777	1,724	36	18
Foothill Boulevard between Mills Avenue and Claremont Boulevard	1,721	1,578	1,721	1,669	34	17
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	1,492	1,482	1,492	1,447	30	15
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	1,619	1,573	1,619	1,570	32	16
6th Street between Indian Hill Boulevard and College Avenue	130	155	155	150	3	2
6th Street between College Avenue and Mills Avenue	325	317	325	315	7	3
6th Street between Mills Avenue and Claremont Boulevard	370	340	370	359	7	4
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	453	427	453	439	9	5
1st Street between Indian Hill Boulevard and College Avenue	403	393	403	391	8	4
1st Street between College Avenue and Claremont Boulevard	274	277	277	269	6	3
1st Street between Claremont Boulevard and Monte Vista Avenue	8	9	9	9	0	0
Arrow Highway between Indian Hill Boulevard and College Avenue	1,523	2,012	2,012	1,952	40	20
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	1,448	1,986	1,986	1,926	40	20
Base Line Road e/o I-210 Ramps	2,032	2,070	2,070	2,008	41	21
Foothill Boulevard e/o Central Avenue	1,967	1,903	1,967	1,908	39	20
1st Street e/o Monte Vista Avenue	141	163	163	158	3	2
Arrow Highway e/o Claremont Boulevard/Mills Avenue	1,269	1,792	1,792	1,738	36	18
Base Line Road w/o Indian Hill Boulevard	1,933	1,877	1,933	1,875	39	19
Foothill Boulevard w/o Indian Hill Boulevard	1,145	1,067	1,145	1,111	23	11
Claremont Boulevard w/o Monte Vista/Padua Ave	632	626	632	613	13	6



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Existing (2023) Source of Traffic Volumes: KOA

Segment	Ground Type	Distance from Roadway to	Sp	eed (mp	-	Peak	Hour Vo		Peak Hour Noise Level (Leq(h)	Noise Level
	.,,,,	Receiver (feet)	Auto	MT	НТ	Auto	MT	HT	dBA)	
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	11	0	0	47.4	47.7
1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	343	7	4	60.8	61.1
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	397	8	4	61.5	61.8
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	252	5	3	62.8	63.1
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	358	7	4	61.1	61.4
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	149	3	2	57.2	57.5
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	439	9	5	61.9	62.2
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Avo	Hard	30	30	30	25	617	13	6	63.4	63.7
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1734	36	18	72.6	72.9
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard	30	35	35	30	1797	37	19	69.7	70.0
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1526	31	16	72.0	72.3
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	1856	38	19	73.0	73.3
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	1617	33	17	72.4	72.7
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	2344	48	24	73.9	74.2
Base Line Road e/o I-210 Ramps	Hard	30	40	40	35	2460	51	25	72.6	72.9
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	2140	44	22	72.0	72.3
Central Avenue s/o Foothill Boulevard	Hard	30	40	40	35	806	17	8	67.9	68.2
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1035	21	11	67.3	67.6
Claremont Boulevard between 1st Street and Arrow Fighway Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	1053	22	11	68.9	69.2
•		30	40	40	35	1009	21		68.7	69.0
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1009	21	10	68.7	69.0
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard							10		
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	935	19	10	68.4	68.7
Claremont Boulevard n/o Foothill Boulevard	Hard	30 30	40	40 40	35	806	17	8 7	67.8	68.1
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard Hard		40		35 30	695	14 16		67.1	67.4
Claremont Boulevard/Mills Avenue s/o Arrow Highway		30	35	35		790		8	66.1	66.4
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25 25	498	10	5	62.6	62.9 62.5
College Avenue between 6th Street and 1st Street	Hard Hard	30 30	30 30	30 30	25 25	469 415	10 9	5 4	62.2 61.7	62.5
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	330	7	3	60.7	61.0
College Avenue s/o Arrow Highway Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	1708	35	3 18	71.0	71.3
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2024	33 42	21	71.8	71.3 72.1
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	2193	45	23	72.1	72.1 72.4
		30	40	40	35	1845	38	23 19	71.4	72.4
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	1845			71.4 71.3	71.7 71.6
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	1840	38	19	71.3 71.4	71.6 71.7
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard						38	19		
Foothill Boulevard e/o Central Avenue	Hard	30	30	30	25	2105	43	22	68.7	69.0
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1255	26	13	69.8	70.1
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1297	27	13	68.4	68.7
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1163	24	12	67.9	68.2
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	1226	25	13	68.1	68.4
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1085	22	11	66.0	66.3
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1178	24	12	66.3	66.6
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	377	8	4	62.9	63.2
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	1579	33	16	69.1	69.4
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	716	15	7	67.3	67.6
Mills Avenue n/o Base Line Road	Hard	30	40	40	35	585	12	6	66.4	66.7
Monte Vista Avenue s/o 1st Street	Hard	30	45	45	40	1300	27	13	71.4	71.7
Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1235	25	13	71.1	71.4
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1386	29	14	70.1	70.4
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	876	18	9	69.6	69.9
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1127	23	12	70.7	71.0
Monte Vista/Padua Ave n/o Base Line Road	Hard	30	40	40	35	498	10	5	65.8	66.1

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	1,264	741	1,264	1,226	25	13
Mills Avenue between Base Line Road and Foothill Boulevard	738	538	738	716	15	7
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,308	1,429	1,429	1,386	29	14
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,119	1,058	1,119	1,085	22	11
College Avenue between Foothill Boulevard and 6th Street	428	302	428	415	9	4
Claremont Boulevard between Foothill Boulevard and 9th Street	964	953	964	935	19	10
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,040	1,003	1,040	1,009	21	10
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	891	903	903	876	18	9
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	939	1,162	1,162	1,127	23	12
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,040	1,003	1,040	1,009	21	10
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,199	1,089	1,199	1,163	24	12
College Avenue between 6th Street and 1st Street	483	474	483	469	10	5
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,214	1,080	1,214	1,178	24	12
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	1,086	1,055	1,086	1,053	22	11
Monte Vista/Padua Ave between Arrow Route and 1st Street	970	1,273	1,273	1,235	25	13
Indian Hill Boulevard between 1st Street and Arrow Highway	1,337	1,259	1,337	1,297	27	13
College Avenue between 1st Street and Arrow Highway	454	513	513	498	10	5
Claremont Boulevard between 1st Street and Arrow Highway	1,067	988	1,067	1,035	21	11
Indian Hill Boulevard n/o Base Line Road	389	300	389	377	8	4
Claremont Boulevard n/o Foothill Boulevard	831	766	831	806	17	8
Mills Avenue n/o Base Line Road	603	450	603	585	12	6
Monte Vista/Padua Ave n/o Base Line Road	404	513	513	498	10	5
Central Avenue s/o Foothill Boulevard	534	831	831	806	17	8
Monte Vista Avenue s/o 1st Street	1,049	1,340	1,340	1,300	27	13
Claremont Boulevard/Mills Avenue s/o Arrow Highway	769	814	814	790	16	8
College Avenue s/o Arrow Highway	340	301	340	330	7	3
Indian Hill Boulevard s/o Arrow Highway	1,610	1,628	1,628	1,579	33	16
Base Line Road between Indian Hill Boulevard and Mills Avenue	1,913	1,625	1,913	1,856	38	19
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	1,667	1,537	1,667	1,617	33	17
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	2,249	2,416	2,416	2,344	48	24
Foothill Boulevard between Indian Hill Boulevard and College Avenue	1,824	1,902	1,902	1,845	38	19
Foothill Boulevard between College Avenue and Dartmouth Avenue	2,020	2,087	2,087	2,024	42	21
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	2,002	2,261	2,261	2,193	45	23
Foothill Boulevard between Mills Avenue and Claremont Boulevard	1,698	1,883	1,883	1,827	38	19
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	1,387	1,761	1,761	1,708	35	18
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	1,567	1,897	1,897	1,840	38	19
6th Street between Indian Hill Boulevard and College Avenue	144	154	154	149	3	2
6th Street between College Avenue and Mills Avenue	319	369	369	358	7	4
6th Street between Mills Avenue and Claremont Boulevard	319	453	453	439	9	5
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	503 317	636 409	636 409	617 397	13 8	6 4
1st Street between Indian Hill Boulevard and College Avenue	349				8 7	4
1st Street between College Avenue and Claremont Boulevard	349 7	354	354	343	0	0
1st Street between Claremont Boulevard and Monte Vista Avenue		11	11	11		
Arrow Highway between Indian Hill Boulevard and College Avenue	1,531	1,853	1,853	1,797	37	19
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	1,492	1,788	1,788	1,734	36	18
Base Line Road e/o I-210 Ramps	2,103	2,536	2,536	2,460	51	25
Foothill Boulevard e/o Central Avenue	1,621	2,170	2,170	2,105	43	22 3
1st Street e/o Monte Vista Avenue	245	260	260	252	5	
Arrow Highway e/o Claremont Boulevard/Mills Avenue	1,212	1,573	1,573	1,526	31	16
Base Line Road w/o Indian Hill Boulevard	2,206	1,918	2,206	2,140	44	22 13
Foothill Boulevard w/o Indian Hill Boulevard Claremont Boulevard w/o Monte Vista/Padua Ave	1,294 716	1,201 649	1,294 716	1,255 695	26 14	13 7
Ciaremont boulevaru w/o ivionite vista/radua Ave	110	049	110	093	14	,



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Horizon Year with Weekday Game Source of Traffic Volumes: KOA

Segment	Ground	Distance from Roadway to	Sp	eed (mp	h)	Peak	Hour V	olume	Peak Hour Noise Level (Leq(h)	Noise Level
	Туре	Receiver (feet)	Auto	MT	HT	Auto	MT	HT	dBA)	GRA CNEL
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	1519	31	16	69.0	69.3
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	933	19	10	68.4	68.7
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1778	37	18	71.2	71.5
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1528	32	16	67.4	67.7
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	482	10	5	62.4	62.7
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	1128	23	12	69.2	69.5
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1308	27	13	69.9	70.2
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	1688	35	17	72.4	72.7
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1764	36	18	72.6	72.9
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1308	27	13	69.9	70.2
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1629	34	17	69.3	69.6
College Avenue between 6th Street and 1st Street	Hard	30	30	30	25	642	13	7	63.7	64.0
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1762	36	18	68.1	68.4
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	1447	30	15	70.3	70.6
Monte Vista/Padua Ave between Arrow Route and 1st Street Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1916	40	20	73.0	73.3
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1916	40	20	70.1	73.3 70.4
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	635	13	7	63.6	63.9
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1604	33	, 17	69.2	69.5
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	499	33 10	5	64.1	64.4
		30	33 40	40	35	948	20		68.5	68.8
Claremont Boulevard n/o Foothill Boulevard	Hard	30			35 35			10		66.9
Mills Avenue n/o Base Line Road	Hard		40	40		618	13	6	66.6	
Monte Vista/Padua Ave n/o Base Line Road	Hard	30	40	40	35	598	12	6	66.5	66.8
Central Avenue s/o Foothill Boulevard Monte Vista Avenue s/o 1st Street	Hard Hard	30 30	40	40	35 40	1877 1932	39 40	19 20	71.4 73.0	71.7
Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	45 35	45 35	30	919	19	9	66.8	73.3 67.1
College Avenue s/o Arrow Highway	Hard	30	30	30	25	416	9	4	61.8	62.1
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	2149	44	22	70.5	70.8
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	2974	61	31	74.9	75.2
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	2732	56	28	74.5	74.8
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	3239	67	33	75.3	75.6
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	2472	51	25	72.6	72.9
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2642	54	27	72.9	73.2
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	2790	58	29	73.2	73.5
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	2457	51	25	72.6	72.9
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	2289	47	24	72.3	72.6
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	2552	53	26	72.8	73.1
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	562	12	6	63.1	63.4
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	665	14	7	63.8	64.1
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	865	18	9	65.0	65.3
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave		30	30	30	25	1424	29	15	67.1	67.4
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	787	16	8	64.6	64.9
5	Hard	30	30	30	25	885	18	9	65.1	65.4
1st Street between College Avenue and Claremont Boulevard		30			30	15	0	0	48.8	49.1
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard		35	35						
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard Hard	30 30	35 45	35 45	30 40	2324 2328	48	24 24	70.8 73.8	71.1 74.1
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue							48			
Base Line Road e/o I-210 Ramps	Hard	30	40	40	35	3308	68	34	73.9	74.2
Foothill Boulevard e/o Central Avenue	Hard	30	30	30	25	2517	52	26	69.6	69.9
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	569	12	6	66.3	66.6
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	2270	47	23	73.7	74.0
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	2694	56	28	73.0	73.3
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1589	33	16	70.7	71.0
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	981	20	10	68.7	69.0

Readows/segment Am May	Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Mills Avenue between Base Line Road and Forbill Boulevard 1,758 1,580 1,381	Roadway Segment	AM	PM	Max	Auto	MT	HT
Monte Vista/Padua Ave between Base Line Road and Ciarremont Boulevard Indian Hill Boulevard and fish Street 1,578 3,38 1,378 3,29 1,301	Indian Hill Boulevard between Base Line Road and Foothill Boulevard	1,566	1,202	1,566	1,519	31	16
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Mills Avenue between Base Line Road and Foothill Boulevard	962	836	962	933	19	10
College Avenue between Frothill Boulevard and Shi Street 1,008 1,663 1,164 1,128 23 21 21 21 21 21 21 21	Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,578	1,833	1,833	1,778	37	18
Claremont Boulevard between Forthill Boulevard and 9th Street 1,08	Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,575	1,540	1,575	1,528	32	16
Claremont Boulevard between 9th Street and 6th Street/Arrow Route 1,348	College Avenue between Foothill Boulevard and 6th Street	497	352	497	482	10	5
Monte Vista/Padua Ave between Charmont Boulevard and Foothill Boulevard 1,557 1,46 1,68 35 1,76 1,68 36 1,68	Claremont Boulevard between Foothill Boulevard and 9th Street	1,008	1,163	1,163	1,128	23	12
Monte Vista/Padua Ave between Fothill Boulevard and Arrow Route 1,819 1,816 1,819 1,764 36 1,816 1,819 1,764 36 1,816 1,819 1,816 1,819 1,816 1,819 1,816 1,819 1,816 1,819 1,816 1,819 1,819 1,816 1,819 1,819 1,816 1,819 1,819 1,816 1,819 1,819 1,816 1,819 1,819 1,819 1,816 1,819 1,819 1,816 1,819 1,819 1,816 1,819 1,819 1,816 1,819 1,819 1,816 1,816 1,819 1,816	Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,348	1,138	1,348	1,308	27	13
Caremont Boulevard between 9th Street and Airston Awenug/Sth Street 1,348 1,348 1,348 3,48	Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	1,557	1,740	1,740	1,688	35	17
Indian Hill Boulevard between 6th Street and Harrison Avenue/Sth Street 1602 1507 1602 160	Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,819	1,816	1,819	1,764	36	18
College Avenue between 6th Street and 1st Street 1662 657 652 632 33 71 10 10 10 10 10 10 10	Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,348	1,138	1,348	1,308	27	13
Indian Hill Boulevard between Fish Street Anor Ne Route and 1st Street 1,817 1,817 1,762 36 18. Claremont Boulevard between Striet Street Anor Ne Route and 1st Street 1,908 1,915 1,915 1,915 1,916 1,910	Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,679	1,597	1,679	1,629	34	17
Caremont Boulevard between 6th Street/Arrow Route and 1st Street 1,490 1,492 1,447 30 15 15 1,500 15 1,500	College Avenue between 6th Street and 1st Street	662	657	662	642	13	7
Monte Vista/Padus A we between Arrow Route and 1st Street 1,908 1,975 1,975 1,916 40 20 1 1 1 1 1 1 1 1 1	Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,817	1,560	1,817	1,762	36	18
Indian Hill Boulevard between 1st Street and Arrow Highway	Claremont Boulevard between 6th Street/Arrow Route and 1st Street	1,490	1,492	1,492	1,447	30	15
Calega Avenue between nist Street and Arrow Highway 1,564 1,679 1,654 1,679 1,670	Monte Vista/Padua Ave between Arrow Route and 1st Street	1,908	1,975	1,975	1,916	40	20
Claremont Boulevard between List Street and Arrow Highway	Indian Hill Boulevard between 1st Street and Arrow Highway	1,858	2,017	2,017	1,956	40	
Indian Hill Boulevard n/o Base Line Road 514 451 514 499 10 50 50 50 50 50 50 50	College Avenue between 1st Street and Arrow Highway	519	655	655	635	13	7
Caremont Boulevard No Foothill Boulevard 977 948 977 948 20 10 10 10 10 16 17 18 18 16 17 16 17 18 18 18 16 17 18 18 18 18 18 18 17 18 18	Claremont Boulevard between 1st Street and Arrow Highway	1,654	1,479	1,654	1,604	33	17
Mills Avenue n/o Base Line Road 637 588 637 618 13 6 Monte Vista/Padua Ave n/o Base Line Road 481 617 617 598 12 6 6 6 6 6 6 7 6 7 6 7 7	Indian Hill Boulevard n/o Base Line Road		461		499	10	5
Monte Vista/Padua Ave n/o Base Line Road	Claremont Boulevard n/o Foothill Boulevard	977	940	977	948	20	10
Central Avenue s/o Foothill Boulevard 949 1,935 1,935 1,877 39 19 19 1,763 1,935 1,937 1,935 1,937 1,935 1,937 1,935 1,937 1,935 1,937 1,935 1,937 1,935 1,937 1,935 1,937 1,935 1,937		637	588	637	618		
Monte Vista Avenue s/o 1st Street 1,763 1,992	Monte Vista/Padua Ave n/o Base Line Road	481	617	617	598	12	6
Calement Boulevard/Mills Avenue s/o Arrow Highway 919	Central Avenue s/o Foothill Boulevard	949	1,935	1,935	1,877	39	19
College Avenue s/o Arrow Highway 429 358 429 416 99 42 161d in Hill Boulevard s/o Arrow Highway 2,215 2,159 2,215 2,149 44 22 22 23 23 23 23 23							
Rase Line Road between Indian Hill Boulevard and Mills Avenue 3,066 2,811 3,066 2,974 61 31 31 32 33 33 33 33 3	Claremont Boulevard/Mills Avenue s/o Arrow Highway	901	947	947	919	19	9
Base Line Road between Indian Hill Boulevard and Mills Avenue 3,066 2,861 2,062 2,974 61 31 Base Line Road between Mills Avenue and Monte Vista/Padua Ave 2,817 2,707 2,817 2,732 56 2,88 Base Line Road between Mills Avenue and Datamouth Avenue 3,296 3,339 3,339 3,239 67 33 Foothill Boulevard between Indian Hill Boulevard and College Avenue 2,454 2,548 2,548 2,548 2,642 2,64 2,548 2,548 2,672 2,61 2,75 2,631 2,676 2,790 58 29 70 58 29 70 58 29 70 58 29 70 58 29 70 58 29 70 58 29 70 58 29 70 58 29 70 58 29 70 58 29 70 58 29 70 50 52 25 70 50 52 25 70 50 2,63 2,52					416		
Base Line Road between Mills Avenue and Monte Vista/Padua Ave 2,817 2,702 2,61 2,81 Base Line Road between Monte Vista/Padua Ave and 1-210 Ramps 3,296 3,339 3,339 3,239 67 33 Foothill Boulevard between Indian Hill Boulevard and College Avenue 2,454 2,548 2,742 2,642 2,72 2,52 2,52 2,72 2,642 2,64 2,74 2,642 2,64 2,72 2,643 2,87 2,790 58 2,93 Foothill Boulevard between College Avenue and Claremont Boulevard 2,643 2,876 2,780 2,53 2,54 2,54 2,	Indian Hill Boulevard s/o Arrow Highway	2,215	2,195	2,215	2,149	44	22
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps 3,396 3,339 3,349 3,539	Base Line Road between Indian Hill Boulevard and Mills Avenue	3,066	2,861	3,066	2,974	61	31
Poothill Boulevard between Indian Hill Boulevard and College Avenue and Dartmouth Avenue 2,644 2,548 2,742 2,724 2,642 54 27 70 70 70 70 70 70 70	Base Line Road between Mills Avenue and Monte Vista/Padua Ave	2,817	2,707	2,817	2,732	56	28
Foothill Boulevard between College Avenue and Dartmouth Avenue 2,647 2,724 2,642 54 27 Foothill Boulevard between Dartmouth Avenue and Mills Avenue 2,643 2,876 2,876 2,790 58 29 Foothill Boulevard between Mills Avenue and Claremont Boulevard 2,375 2,530 2,457 51 25 Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave 2,151 2,360 2,289 47 24 Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue 2,138 2,631 2,551 2,552 53 26 6th Street between Indian Hill Boulevard and College Avenue 397 579 579 562 12 6 6th Street between College Avenue and Claremont Boulevard 582 686 686 665 14 7 6th Street between Claremont Boulevard and Monte Vista/Padua Ave 1,025 1,468 1,428 1,42 9 15 15 16 18 18 18 18 18 18 18 18 18 18 18 18	Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	3,296	3,339	3,339	3,239	67	33
Foothill Boulevard between Dartmuth Avenue and Mills Avenue 2,643 2,876 2,790 58 29 Foothill Boulevard between Mills Avenue and Claremont Boulevard 2,375 2,533 2,533 2,535 51 25 Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave 2,151 2,360 2,601 2,552 53 26 6th Street between Indian Hill Boulevard and College Avenue 397 579 579 552 12 6 6th Street between Indian Hill Boulevard and College Avenue 397 579 579 562 12 6 6th Street between Indian Hill Boulevard and College Avenue 582 686 686 665 14 7 6th Street between Mills Avenue and Claremont Boulevard 582 882 892 865 18 9 6th Street between Indian Hill Boulevard and College Avenue 668 666 14 7 6th Street between Indian Hill Boulevard and College Avenue 678 811 811 787 16 8 1st Street between Claremont Boulevard and College Avenue 799 912 912 885 18 9	Foothill Boulevard between Indian Hill Boulevard and College Avenue	2,454	2,548	2,548	2,472	51	25
Poothill Boulevard between Mills Avenue and Claremont Boulevard Ave 2,375 2,533 2,457 51 25	Foothill Boulevard between College Avenue and Dartmouth Avenue	2,647	2,724	2,724	2,642	54	27
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave 2,151 2,360 2,289 47 24 Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue 2,138 2,631 2,631 2,552 53 26 6th Street between Indian Hill Boulevard and College Avenue 397 579 562 12 6 6th Street between College Avenue and Mills Avenue 582 686 686 665 14 7 6th Street between Mills Avenue and Claremont Boulevard 549 892 892 865 18 9 6th Street between Route between Claremont Boulevard and Monte Vista/Padua Ave 1,025 1,468 1,424 29 15 1st Street between Indian Hill Boulevard and College Avenue 678 811 811 787 16 8 1st Street between Claremont Boulevard and Monte Vista/Padua Ave 779 912 912 885 18 9 1st Street between Claremont Boulevard and College Avenue 2,109 2,396 2,396 2,324 48 24 Arrow Highway between College Avenue and Claremont Bo	Foothill Boulevard between Dartmouth Avenue and Mills Avenue	2,643	2,876	2,876	2,790	58	29
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue 2,138 2,631 2,631 2,552 53 26 6th Street between Indian Hill Boulevard and College Avenue 397 579 579 562 12 6 6th Street between College Avenue and Mills Avenue 582 686 686 14 7 6th Street between Mills Avenue and Claremont Boulevard 549 892 892 865 18 9 6th Street between Claremont Boulevard and Monte Vista/Padua Ave 1,025 1,468 1,468 1,42 29 15 1st Street between Indian Hill Boulevard and College Avenue 678 811 811 787 16 8 1st Street between College Avenue and Claremont Boulevard 779 912 912 885 18 9 1st Street between Claremont Boulevard and Monte Vista Avenue 9 15 15 0 0 Arrow Highway between Indian Hill Boulevard Avenue and Claremont Boulevard/Mills Avenue 2,38 2,340 2,324 48 24 Base Line Road e/o I-210 Ramps 587	Foothill Boulevard between Mills Avenue and Claremont Boulevard	2,375	2,533	2,533	2,457		25
6th Street between Indian Hill Boulevard and College Avenue 397 579 562 12 6 6th Street between College Avenue and Mills Avenue 582 686 686 665 14 7 6th Street between Mills Avenue and Claremont Boulevard 549 892 892 865 18 9 6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave 1,025 1,468 1,468 1,424 29 15 1st Street between Indian Hill Boulevard and College Avenue 678 811 811 77 16 8 1st Street between College Avenue and Claremont Boulevard 779 912 912 885 18 9 1st Street between Claremont Boulevard and Monte Vista Avenue 799 912 912 15 15 0 0 0 Arrow Highway between Indian Hill Boulevard and College Avenue 2,109 2,396 2,396 2,324 48 24 Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue 2,281 2,400 2,400 2,328 48 24 Base Line Road e/o I-210 Ramps 3,902 3,410 3,410	Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	2,151	2,360	2,360	2,289	47	24
6th Street between College Avenue and Mills Avenue 582 686 686 665 14 7 6th Street between Mills Avenue and Claremont Boulevard 549 892 892 865 18 9 6th Street Jerrow Route between Claremont Boulevard and Monte Vista/Padua Ave 1,025 1,468 1,468 1,424 29 15 1st Street between Indian Hill Boulevard and College Avenue 678 811 811 787 16 8 1st Street between College Avenue and Claremont Boulevard 779 912 912 885 18 9 1st Street between Claremont Boulevard and Monte Vista Avenue 9 15 15 0 0 Arrow Highway between Indian Hill Boulevard and College Avenue 2,109 2,396 2,324 48 24 Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue 2,281 2,400 2,400 2,322 48 24 Base Line Road e/o I-210 Ramps 3,902 3,410 3,410 3,400 3,40 3,40 3,40 3,4 2,5 2,557					2,552		
6th Street between Mills Avenue and Claremont Boulevard 549 892 892 865 18 9 6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave 1,025 1,468 1,468 1,424 29 15 1st Street between Indian Hill Boulevard and College Avenue 678 811 811 787 16 8 1st Street between College Avenue and Claremont Boulevard 779 912 912 885 18 9 1st Street between Claremont Boulevard and Monte Vista Avenue 9 15 15 15 0 0 Arrow Highway between Indian Hill Boulevard and College Avenue 2,109 2,396 2,396 2,324 48 24 Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue 3,092 3,410 3,400 2,328 48 24 Base Line Road e/o I-210 Ramps 3,092 3,410 3,410 3,308 68 34 Foothill Boulevard e/o Central Avenue 587 339 587 569 12 6 Arrow Highway e/o Claremont Boulevard/Mills Avenue 2,030 2,340 2,340 2,77 2,694							
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave 1,025 1,468 1,468 1,424 29 15 1st Street between Indian Hill Boulevard and College Avenue 678 811 811 787 16 8 1st Street between College Avenue and Claremont Boulevard 779 912 912 885 18 9 1st Street between Claremont Boulevard and Monte Vista Avenue 9 15 15 15 0 0 Arrow Highway between Indian Hill Boulevard and College Avenue 2,109 2,396 2,326 2,324 48 24 Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue 3,092 3,410 3,410 3,308 68 34 Base Line Road e/o I-210 Ramps 3,092 3,410 3,410 3,308 68 34 Foothill Boulevard e/o Central Avenue 587 339 587 569 12 6 Arrow Highway e/o Claremont Boulevard/Mills Avenue 2,030 2,340 2,340 2,77 2,694 23 Base Line Road w/o Indian Hill Boulevard 2,777 2,578 2,777 2,694 56 <							
1st Street between Indian Hill Boulevard and College Avenue 678 811 811 787 16 8 1st Street between College Avenue and Claremont Boulevard 779 912 912 885 18 9 1st Street between Claremont Boulevard and Monte Vista Avenue 9 15 15 15 0 0 Arrow Highway between Indian Hill Boulevard and College Avenue 2,109 2,396 2,396 2,324 48 24 Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue 3,092 3,410 3,410 3,03 68 34 Base Line Road e/o I-210 Ramps 3,092 3,410 3,410 3,03 68 34 Foothill Boulevard e/o Central Avenue 1,773 2,595 2,517 52 2,56 1st Street e/o Monte Vista Avenue 587 339 587 569 12 6 Arrow Highway e/o Claremont Boulevard/Mills Avenue 2,030 2,340 2,340 2,77 2,694 23 Base Line Road w/o Indian Hill Boulevard 2,777 2,578 2,777 2,694 56 28 Foothill Boulevard w/o I							
1st Street between College Avenue and Claremont Boulevard 779 912 912 885 18 9 1st Street between Claremont Boulevard and Monte Vista Avenue 9 15 15 15 0 0 Arrow Highway between Indian Hill Boulevard and College Avenue 2,109 2,396 2,326 2,324 48 24 Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue 2,281 2,400 2,400 2,328 48 24 Base Line Road e/o I-210 Ramps 3,092 3,410 3,410 3,08 68 34 Foothill Boulevard e/o Central Avenue 1,773 2,595 2,595 2,517 52 26 Arrow Highway e/o Claremont Boulevard/Mills Avenue 587 339 58 569 12 6 Arrow Highway e/o Claremont Boulevard/Mills Avenue 2,030 2,340 2,340 2,270 47 23 Base Line Road w/o Indian Hill Boulevard 2,777 2,578 2,777 2,694 56 28 Foothill Boulevard w/o Indian Hill Boulevard 1,617 1,638 1,638 1,589 33 16 <td></td> <td></td> <td></td> <td>,</td> <td>,</td> <td></td> <td></td>				,	,		
1st Street between Claremont Boulevard and Monte Vista Avenue 9 15 15 15 0 0 Arrow Highway between Indian Hill Boulevard and College Avenue 2,109 2,396 2,324 48 24 Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue 2,281 2,400 2,400 2,328 48 24 Base Line Road e/o 1-210 Ramps 3,092 3,410 3,410 3,308 68 34 Foothill Boulevard e/o Central Avenue 1,773 2,595 2,595 2,517 52 26 Arrow Highway e/o Claremont Boulevard/Mills Avenue 587 339 58 569 12 6 Arrow Highway e/o Claremont Boulevard/Mills Avenue 2,030 2,340 2,340 2,270 47 23 Base Line Road w/o Indian Hill Boulevard 2,777 2,578 2,777 2,694 56 28 Foothill Boulevard w/o Indian Hill Boulevard 1,617 1,638 1,638 1,589 33 16	•						
Arrow Highway between Indian Hill Boulevard and College Avenue 2,109 2,396 2,396 2,324 48 24 Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue 2,281 2,400 2,400 2,328 48 24 Base Line Road e/o 1-210 Ramps 3,092 3,410 3,410 3,308 68 34 Foothill Boulevard e/o Central Avenue 1,773 2,595 2,595 2,517 52 26 1st Street e/o Monte Vista Avenue 57 339 587 569 12 6 Arrow Highway e/o Claremont Boulevard/Mills Avenue 2,030 2,340 2,340 2,770 4,67 23 Base Line Road w/o Indian Hill Boulevard 2,777 2,578 2,777 2,694 56 28 Foothill Boulevard w/o Indian Hill Boulevard 1,617 1,638 1,638 1,589 33 16	·						
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue 2,281 2,400 2,400 2,328 48 24 Base Line Road e/o I-210 Ramps 3,092 3,410 3,410 3,308 68 34 Foothill Boulevard e/o Central Avenue 1,773 2,595 2,517 52 26 1st Street e/o Monte Vista Avenue 587 339 587 569 12 6 Arrow Highway e/o Claremont Boulevard/Mills Avenue 2,030 2,340 2,340 2,270 47 23 Base Line Road w/o Indian Hill Boulevard 2,777 2,578 2,777 2,694 56 28 Foothill Boulevard w/o Indian Hill Boulevard 1,638 1,638 1,589 33 16							
Base Line Road e/o I-210 Ramps 3,092 3,410 3,410 3,308 68 34 Foothill Boulevard e/o Central Avenue 1,773 2,595 2,595 2,517 52 26 1st Street e/o Monte Vista Avenue 587 339 587 569 12 6 Arrow Highway e/o Claremont Boulevard/Mills Avenue 2,030 2,340 2,340 2,270 47 23 Base Line Road w/o Indian Hill Boulevard 2,777 2,578 2,777 2,694 56 28 Foothill Boulevard w/o Indian Hill Boulevard 1,638 1,638 1,589 33 16							
Foothill Boulevard e/o Central Avenue 1,773 2,595 2,595 2,517 52 26 1st Street e/o Monte Vista Avenue 587 339 587 569 12 6 Arrow Highway e/o Claremont Boulevard/Mills Avenue 2,030 2,340 2,340 2,270 47 23 Base Line Road w/o Indian Hill Boulevard 2,777 2,578 2,777 2,694 56 28 Foothill Boulevard w/o Indian Hill Boulevard 1,638 1,638 1,589 33 16							
1st Street e/o Monte Vista Avenue 587 339 587 569 12 6 Arrow Highway e/o Claremont Boulevard/Mills Avenue 2,030 2,340 2,340 2,270 47 23 Base Line Road w/o Indian Hill Boulevard 2,777 2,578 2,777 2,694 56 28 Foothill Boulevard w/o Indian Hill Boulevard 1,637 1,638 1,638 1,589 33 16	·			,	,		
Arrow Highway e/o Claremont Boulevard/Mills Avenue 2,030 2,340 2,270 47 23 Base Line Road w/o Indian Hill Boulevard 2,777 2,578 2,777 2,694 56 28 Foothill Boulevard w/o Indian Hill Boulevard 1,617 1,638 1,638 1,589 33 16							
Base Line Road w/o Indian Hill Boulevard 2,777 2,578 2,777 2,694 56 28 Foothill Boulevard w/o Indian Hill Boulevard 1,617 1,638 1,638 1,589 33 16							
Foothill Boulevard w/o Indian Hill Boulevard 1,638 1,638 1,589 33 16							
Claremont Boulevard w/o Monte Vista/Padua Ave 1,011 954 1,011 981 20 10							
	Claremont Boulevard w/o Monte Vista/Padua Ave	1,011	954	1,011	981	20	10



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Horizon Year (2040) with Weekday Practice Source of Traffic Volumes: KOA

Segment		Distance from Roadway to	Sp	eed (mp	h)	Peak	Hour V	olume	Peak Hour Noise Level (Leq(h)	Noise Leve
· · · · · · · · · · · · · · · · · · ·	Туре	Receiver (feet)	Auto	MT	HT	Auto	MT	HT	dBA)	dBA CNEL
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	1519	31	16	69.0	69.3
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	933	19	10	68.4	68.7
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1763	36	18	71.2	71.5
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1528	32	16	67.4	67.7
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	482	10	5	62.4	62.7
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	1094	23	11	69.1	69.4
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1308	27	13	69.9	70.2
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	1678	35	17	72.4	72.7
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1764	36	18	72.6	72.9
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1308	27	13	69.9	70.2
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1629	34	17	69.3	69.6
College Avenue between 6th Street and 1st Street	Hard	30	30	30	25	642	13	7	63.7	64.0
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1762	36	18	68.1	68.4
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	1445	30	15	70.3	70.6
Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1896	39	20	73.0	73.3
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1956	40	20	70.1	70.4
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	635	13	7	63.6	63.9
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1604	33	17	69.2	69.5
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	499	10	5	64.1	64.4
Claremont Boulevard n/o Foothill Boulevard	Hard	30	40	40	35	948	20	10	68.5	68.8
Mills Avenue n/o Base Line Road	Hard	30	40	40	35	618	13	6	66.6	66.9
Monte Vista/Padua Ave n/o Base Line Road	Hard	30	40	40	35	594	12	6	66.4	66.7
Central Avenue s/o Foothill Boulevard	Hard	30	40	40	35	1877	39	19	71.4	71.7
Monte Vista Avenue s/o 1st Street	Hard	30	45	45	40	1918	40	20	73.0	73.3
Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	35	35	30	914	19	9	66.8	67.1
College Avenue s/o Arrow Highway	Hard	30	30	30	25	416	9	4	61.8	62.1
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	2149	44	22	70.5	70.8
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	2974	61	31	74.9	75.2
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	2732	56	28	74.5	74.8
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	3229	67	33	75.3	75.6
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	2467	51	25	72.6	72.9
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2637	54	27	72.9	73.2
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	2785	57	29	73.2	73.5
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	2433	50	25	72.6	72.9
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	2284	47	24	72.3	72.6
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	2542	52	26	72.8	73.1
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	557	11	6	63.1	63.4
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	661	14	7	63.8	64.1
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	860	18	9	65.0	65.3
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave		30	30	30	25	1414	29	15	67.1	67.4
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	782	16	8	64.5	64.8
1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	880	18	9	65.0	65.3
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	15	0	0	48.8	49.1
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard	30 30	35	35 35	30	2319	48	24	48.8 70.8	49.1 71.1
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	35 45	35 45	40	2323	48	24	73.8	74.1
Base Line Road e/o I-210 Ramps	Hard	30	40	40	35	3308	68	34	73.9	74.1
Foothill Boulevard e/o Central Avenue	Hard	30 30	30	30	35 25	2507	52	34 26	73.9 69.6	74.2 69.9
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	569	12	6	66.3	66.6
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	2270	47	23	73.7	74.0
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	2694	56	28	73.0	73.3
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1584	33	16	70.7	71.0
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	981	20	10	68.7	69.0

5/23/2024

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	1,566	1,197	1,566	1,519	31	16
Mills Avenue between Base Line Road and Foothill Boulevard	962	821	962	933	19	10
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,578	1,818	1,818	1,763	36	18
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,575	1,540	1,575	1,528	32	16
College Avenue between Foothill Boulevard and 6th Street	497	352	497	482	10	5
Claremont Boulevard between Foothill Boulevard and 9th Street	1,008	1,128	1,128	1,094	23	11
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,348	1,108	1,348	1,308	27	13
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	1,557	1,730	1,730	1,678	35	17
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,819	1,816	1,819	1,764	36	18
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,348	1,108	1,348	1,308	27	13
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,679	1,592	1,679	1,629	34	17
College Avenue between 6th Street and 1st Street	662	657	662	642	13	7
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,817	1,560	1,817	1,762	36	18
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	1,490	1,477	1,490	1,445	30	15
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,908	1,955	1,955	1,896	39	20
Indian Hill Boulevard between 1st Street and Arrow Highway	1,858	2,017	2,017	1,956	40	20
College Avenue between 1st Street and Arrow Highway	519	655	655	635	13	7
Claremont Boulevard between 1st Street and Arrow Highway	1,654	1,469	1,654	1,604	33	17
Indian Hill Boulevard n/o Base Line Road	514	456	514	499	10	5
Claremont Boulevard n/o Foothill Boulevard	977	935	977	948	20	10
Mills Avenue n/o Base Line Road	637	588	637	618	13	6
Monte Vista/Padua Ave n/o Base Line Road	481	612	612	594	12	6
Central Avenue s/o Foothill Boulevard	949	1,935	1,935	1,877	39	19
Monte Vista Avenue s/o 1st Street	1,763	1,977	1,977	1,918	40	20
Claremont Boulevard/Mills Avenue s/o Arrow Highway	901	942	942	914	19	9
College Avenue s/o Arrow Highway	429	358	429	416	9	4
Indian Hill Boulevard s/o Arrow Highway	2,215	2,190	2,215	2,149	44	22
Base Line Road between Indian Hill Boulevard and Mills Avenue	3,066	2,846	3,066	2,974	61	31
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	2,817	2,707	2,817	2,732	56	28
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	3,296	3,329	3,329	3,229	67	33
Foothill Boulevard between Indian Hill Boulevard and College Avenue	2,454	2,543	2,543	2,467	51	25
Foothill Boulevard between College Avenue and Dartmouth Avenue	2,647	2,719	2,719	2,637	54	27
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	2,643	2,871	2,871	2,785	57	29
Foothill Boulevard between Mills Avenue and Claremont Boulevard	2,375	2,508	2,508	2,433	50	25
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	2,151	2,355	2,355	2,284	47	24
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	2,138	2,621	2,621	2,542	52	26
6th Street between Indian Hill Boulevard and College Avenue	397	574	574	557	11	6
6th Street between College Avenue and Mills Avenue	582	681	681	661	14	7
6th Street between Mills Avenue and Claremont Boulevard	549	887	887	860	18	9
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	1,025	1,458	1,458	1,414	29	15
1st Street between Indian Hill Boulevard and College Avenue	678	806	806	782	16	8
1st Street between College Avenue and Claremont Boulevard	779	907	907	880	18	9
1st Street between Claremont Boulevard and Monte Vista Avenue	9	15	15	15	0	0
Arrow Highway between Indian Hill Boulevard and College Avenue	2,109	2,391	2,391	2,319	48	24
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	2,281	2,395	2,395	2,323	48	24
Base Line Road e/o I-210 Ramps	3,092	3,410	3,410	3,308	68	34
Foothill Boulevard e/o Central Avenue	1,773	2,585	2,585	2,507	52	26
1st Street e/o Monte Vista Avenue	587	339	587	569	12	6
Arrow Highway e/o Claremont Boulevard/Mills Avenue	2,030	2,340	2,340	2,270	47	23
Base Line Road w/o Indian Hill Boulevard	2,777	2,573	2,777	2,694	56	28
Foothill Boulevard w/o Indian Hill Boulevard	1,617	1,633	1,633	1,584	33	16
Claremont Boulevard w/o Monte Vista/Padua Ave	1,011	954	1,011	981	20	10



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Horizon Year (2040) Weekend Fall Game Source of Traffic Volumes: KOA

Segment		Distance from Roadway to	Sp	eed (mp	h)	Peak	Hour Vo	olume	Peak Hour Noise Level (Leq(h)	Noise Leve
, and the second	Туре	Receiver (feet)	Auto	MT	НТ	Auto	MT	НТ	dBA)	dBA CNEL
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	1180	24	12	67.9	68.2
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	792	16	8	67.7	68.0
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1872	39	19	71.4	71.7
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1650	34	17	67.8	68.1
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	393	8	4	61.5	61.8
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	1046	22	11	68.9	69.2
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1057	22	11	68.9	69.2
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	1501	31	15	71.9	72.2
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1931	40	20	73.0	73.3
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1057	22	11	68.9	69.2
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1712	35	18	69.5	69.8
College Avenue between 6th Street and 1st Street	Hard	30	30	30	25	598	12	6	63.4	63.7
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1847	38	19	68.3	68.6
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	1198	25	12	69.5	69.8
Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1851	38	19	72.9	73.2
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	2251	46	23	70.7	71.0
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	531	11	5	62.9	63.2
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1179	24	12	67.9	68.2
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	475	10	5	63.9	64.2
Claremont Boulevard n/o Foothill Boulevard	Hard	30	40	40	35	800	17	8	67.7	68.0
Mills Avenue n/o Base Line Road	Hard	30	40	40	35	707	15	7	67.2	67.5
Monte Vista/Padua Ave n/o Base Line Road	Hard	30	40	40	35	673	14	7	67.0	67.3
Central Avenue s/o Foothill Boulevard	Hard	30	40	40	35	1425	29	15	70.2	70.5
Monte Vista Avenue s/o 1st Street	Hard	30	45	45	40	1918	40	20	73.0	73.3
Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	35	35	30	709	15	7	65.7	66.0
College Avenue s/o Arrow Highway	Hard	30	30	30	25	302	6	3	60.4	60.7
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	2453	51	25	71.0	71.3
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	2278	47	23	73.8	74.1
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	2280	47	24	73.8	74.1
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	2925	60	30	74.8	75.1
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	2201	45	23	72.1	72.4
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2461	51	25	72.6	72.9
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	2280	47	24	72.3	72.6
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	2168	45	22	72.1	72.4
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	2071	43	21	71.9	72.2
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	2348	48	24	72.4	72.7
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	586	12	6	63.3	63.6
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	710	15	7	64.1	64.4
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	849	18	9	64.9	65.2
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave		30	30	30	25	1185	24	12	66.3	66.6
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	781	16	8	64.5	64.8
1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	760	16	8	64.4	64.7
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	11	0	0	47.4	47.7
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard	30 30	35 35	35 35	30	2576	53	27	71.3	71.6
Arrow Highway between Indian Hill Boulevard and College Avenue Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	35 45	35 45	40	2576	53	26	71.3 74.2	71.6 74.5
	Hard	30	45	45	35	2769	53 57	29	73.1	74.5 73.4
Base Line Road e/o I-210 Ramps	Hard	30 30	40 30	40 30	35 25	2769	46	29	73.1 69.1	73.4 69.4
Foothill Boulevard e/o Central Avenue										
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	228	5	2	62.3	62.6
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1784	37	18	72.7	73.0
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	2354	49	24	72.4	72.7
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1515	31	16	70.5	70.8
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	841	17	9	68.1	68.4

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	1,142	1,217	1,217	1,180	24	12
Mills Avenue between Base Line Road and Foothill Boulevard	680	817	817	792	16	8
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,930	1,608	1,930	1,872	39	19
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,217	1,701	1,701	1,650	34	17
College Avenue between Foothill Boulevard and 6th Street	370	405	405	393	8	4
Claremont Boulevard between Foothill Boulevard and 9th Street	1,078	985	1,078	1,046	22	11
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,090	967	1,090	1,057	22	11
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	1,356	1,547	1,547	1,501	31	15
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,991	1,462	1,991	1,931	40	20
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,090	967	1,090	1,057	22	11
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,418	1,765	1,765	1,712	35	18
College Avenue between 6th Street and 1st Street	528	616	616	598	12	6
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,904	1,663	1,904	1,847	38	19
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	1,235	1,159	1,235	1,198	25	12
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,908	1,758	1,908	1,851	38	19
Indian Hill Boulevard between 1st Street and Arrow Highway	2,321	2,027	2,321	2,251	46	23
College Avenue between 1st Street and Arrow Highway	445	547	547	531	11	5
Claremont Boulevard between 1st Street and Arrow Highway	1,215	1,206	1,215	1,179	24	12
Indian Hill Boulevard n/o Base Line Road	480	490	490	475	10	5
Claremont Boulevard n/o Foothill Boulevard	825	798	825	800	17	8
Mills Avenue n/o Base Line Road	729	686	729	707	15	7
Monte Vista/Padua Ave n/o Base Line Road	694	604	694	673	14	7
Central Avenue s/o Foothill Boulevard	1,469	1,191	1,469	1,425	29	15
Monte Vista Avenue s/o 1st Street	1,977	1,935	1,977	1,918	40	20
Claremont Boulevard/Mills Avenue s/o Arrow Highway	731	640	731	709	15	7
College Avenue s/o Arrow Highway	276	311	311	302	6	3
Indian Hill Boulevard s/o Arrow Highway	2,529	2,380	2,529	2,453	51	25
Base Line Road between Indian Hill Boulevard and Mills Avenue	2,155	2,348	2,348	2,278	47	23
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	2,329	2,351	2,351	2,280	47	24
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	2,889	3,015	3,015	2,925	60	30
Foothill Boulevard between Indian Hill Boulevard and College Avenue	2,077	2,269	2,269	2,201	45	23
Foothill Boulevard between College Avenue and Dartmouth Avenue	2,156	2,537	2,537	2,461	51	25
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	2,163	2,351	2,351	2,280	47	24
Foothill Boulevard between Mills Avenue and Claremont Boulevard	2,142	2,235	2,235	2,168	45	22
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	2,135	2,019	2,135	2,071	43	21
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	2,421	2,323	2,421	2,348	48	24
6th Street between Indian Hill Boulevard and College Avenue	590	604	604	586	12	6
6th Street between College Avenue and Mills Avenue	718	732	732	710	15	7
6th Street between Mills Avenue and Claremont Boulevard	875	853	875	849	18	9
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	1,209	1,222	1,222	1,185	24	12
1st Street between Indian Hill Boulevard and College Avenue	586	805	805	781	16	8
1st Street between College Avenue and Claremont Boulevard	411	784	784	760	16	8
1st Street between Claremont Boulevard and Monte Vista Avenue	10	11	11	11	0	0
Arrow Highway between Indian Hill Boulevard and College Avenue	2,109	2,656	2,656	2,576	53	27
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	2,154	2,625	2,625	2,546	53	26
Base Line Road e/o I-210 Ramps	2,806	2,855	2,855	2,769	57	29
Foothill Boulevard e/o Central Avenue	2,265	2,311	2,311	2,242	46	23
1st Street e/o Monte Vista Avenue	153	235	235	228	5	2
Arrow Highway e/o Claremont Boulevard/Mills Avenue	1,503	1,839	1,839	1,784	37	18
Base Line Road w/o Indian Hill Boulevard	2,367	2,427	2,427	2,354	49	24
Foothill Boulevard w/o Indian Hill Boulevard	1,400	1,562	1,562	1,515	31	16
Claremont Boulevard w/o Monte Vista/Padua Ave	687	867	867	841	17	9
		23,				,



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Horizon Year (2040) Weekend Spring Game Source of Traffic Volumes: KOA

Segment		Distance from Roadway to	Sp	eed (mp	h)	Peak	Hour V	olume	Peak Hour Noise Level (Leq(h)	Noise Level
	Туре	Receiver (feet)	Auto	MT	HT	Auto	MT	HT	dBA)	GBA CNEL
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	1171	24	12	67.8	68.1
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	761	16	8	67.5	67.8
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1845	38	19	71.4	71.7
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1650	34	17	67.8	68.1
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	393	8	4	61.5	61.8
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	985	20	10	68.6	68.9
Claremont Boulevard between 100thm boulevard and 5th Street/Arrow Route	Hard	30	40	40	35	1017	21	10	68.8	69.1
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	1480	31	15	71.9	72.2
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1911	39	20	73.0	73.3
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1017	21	10	68.8	69.1
·	Hard	30	35	35	30	1702	35		69.5	69.8
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	30	30	25	598	12	18 6	63.4	63.7
College Avenue between 6th Street and 1st Street										
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1847	38	19	68.3	68.6
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	1178	24	12	69.4	69.7
Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1830	38	19	72.8	73.1
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	2251	46	23	70.7	71.0
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	531	11	5	62.9	63.2
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1165	24	12	67.8	68.1
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	466	10	5	63.8	64.1
Claremont Boulevard n/o Foothill Boulevard	Hard	30	40	40	35	793	16	8	67.7	68.0
Mills Avenue n/o Base Line Road	Hard	30	40	40	35	707	15	7	67.2	67.5
Monte Vista/Padua Ave n/o Base Line Road	Hard	30	40	40	35	666	14	7	66.9	67.2
Central Avenue s/o Foothill Boulevard	Hard	30	40	40	35	1425	29	15	70.2	70.5
Monte Vista Avenue s/o 1st Street	Hard	30	45	45	40	1897	39	20	73.0	73.3
Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	35	35	30	702	14	7	65.6	65.9
College Avenue s/o Arrow Highway	Hard	30	30	30	25	302	6	3	60.4	60.7
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	2446	50	25	71.0	71.3
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	2247	46	23	73.7	74.0
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	2280	47	24	73.8	74.1
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	2904	60	30	74.8	75.1
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	2191	45	23	72.1	72.4
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2451	51	25	72.6	72.9
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	2271	47	23	72.3	72.6
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	2117	44	22	72.0	72.3
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	2044	42	21	71.8	72.1
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	2335	48	24	72.4	72.7
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	576	12	6	63.2	63.5
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	700	14	7	64.1	64.4
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	842	17	9	64.9	65.2
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	30	30	25	1165	24	12	66.3	66.6
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	771	16	8	64.5	64.8
1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	751	15	8	64.4	64.7
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	11	0	0	47.4	47.7
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard	30	35	35	30	2567	53	26	71.2	71.5
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	2537	52	26	74.2	74.5
Base Line Road e/o I-210 Ramps	Hard	30	40	40	35	2769	57	29	73.1	73.4
Foothill Boulevard e/o Central Avenue	Hard	30	30	30	25	2221	46	23	69.1	69.4
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	228	5	2	62.3	62.6
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1784	37	18	72.7	73.0
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	2344	48	24	72.7 72.4	73.0 72.7
		30 30							72.4 70.5	72.7
Foothill Boulevard w/o Indian Hill Boulevard	Hard		40	40	35	1505	31	16		
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	841	17	9	68.1	68.4

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	1,142	1,207	1,207	1,171	24	12
Mills Avenue between Base Line Road and Foothill Boulevard	659	785	785	761	16	8
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,902	1,577	1,902	1,845	38	19
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,217	1,701	1,701	1,650	34	17
College Avenue between Foothill Boulevard and 6th Street	370	405	405	393	8	4
Claremont Boulevard between Foothill Boulevard and 9th Street	1,015	910	1,015	985	20	10
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,048	903	1,048	1,017	21	10
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	1,335	1,526	1,526	1,480	31	15
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,970	1,462	1,970	1,911	39	20
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,048	903	1,048	1,017	21	10
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,411	1,755	1,755	1,702	35	18
College Avenue between 6th Street and 1st Street	528	616	616	598	12	6
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,904	1,663	1,904	1,847	38	19
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	1,214	1,127	1,214	1,178	24	12
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,887	1,716	1,887	1,830	38	19
Indian Hill Boulevard between 1st Street and Arrow Highway	2,321	2,027	2,321	2,251	46	23
College Avenue between 1st Street and Arrow Highway	445	547	547	531	11	5
Claremont Boulevard between 1st Street and Arrow Highway	1,201	1,185	1,201	1,165	24	12
Indian Hill Boulevard n/o Base Line Road	473	480	480	466	10	5
Claremont Boulevard n/o Foothill Boulevard	818	788	818	793	16	8
Mills Avenue n/o Base Line Road	729	686	729	707	15	7
Monte Vista/Padua Ave n/o Base Line Road	687	594	687	666	14	7
Central Avenue s/o Foothill Boulevard	1,469	1,191	1,469	1,425	29	15
Monte Vista Avenue s/o 1st Street	1,956	1,903	1,956	1,897	39	20
Claremont Boulevard/Mills Avenue s/o Arrow Highway	724	630	724	702	14	7
College Avenue s/o Arrow Highway	276	311	311	302	6	3
Indian Hill Boulevard s/o Arrow Highway	2,522	2,370	2,522	2,446	50	25
Base Line Road between Indian Hill Boulevard and Mills Avenue	2,134	2,316	2,316	2,247	46	23
			,			
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	2,329	2,351	2,351	2,280	47	24
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	2,868	2,994	2,994	2,904	60	30
Foothill Boulevard between Indian Hill Boulevard and College Avenue	2,070	2,259	2,259	2,191	45	23
Foothill Boulevard between College Avenue and Dartmouth Avenue	2,149	2,527	2,527	2,451	51	25
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	2,156	2,341	2,341	2,271	47	23
Foothill Boulevard between Mills Avenue and Claremont Boulevard	2,107	2,182	2,182	2,117	44	22
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	2,107	2,009	2,107	2,044	42	21
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	2,407	2,302	2,407	2,335	48	24
6th Street between Indian Hill Boulevard and College Avenue	583	594	594	576	12	6
6th Street between College Avenue and Mills Avenue	711	722	722	700	14	7
6th Street between Mills Avenue and Claremont Boulevard	868	843	868	842	17	9
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	1,195	1,201	1,201	1,165	24	12
1st Street between Indian Hill Boulevard and College Avenue	579	795	795	771	16	8
1st Street between College Avenue and Claremont Boulevard	404	774	774	751	15	8
1st Street between Claremont Boulevard and Monte Vista Avenue	10	11	11	11	0	0
Arrow Highway between Indian Hill Boulevard and College Avenue	2,102	2,646	2,646	2,567	53	26
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	2,147	2,615	2,615	2,537	52	26
Base Line Road e/o I-210 Ramps	2,806	2,855	2,855	2,769	57	29
Foothill Boulevard e/o Central Avenue	2,251	2,290	2,290	2,221	46	23
1st Street e/o Monte Vista Avenue	153	235	235	228	5	2
Arrow Highway e/o Claremont Boulevard/Mills Avenue	1,503	1,839	1,839	1,784	37	18
Base Line Road w/o Indian Hill Boulevard	2,367	2,417	2,417	2,344	48	24
Foothill Boulevard w/o Indian Hill Boulevard	1,400	1,552	1,552	1,505	31	16
Claremont Boulevard w/o Monte Vista/Padua Ave	680	867	867	841	17	9



Project Name: Claremont Mckenna Roberts Sports Bowl
Analysis Scenario: Horizon Year (2040) Weekend without Project
Source of Traffic Volumes: KOA

Segment		Distance from Roadway to	Sp	eed (mp	h)	Peak	Hour Vo	olume	Peak Hour Noise Level (Leq(h)	Noise Level
	Туре	Receiver (feet)	Auto	MT	HT	Auto	MT	HT	dBA)	GBA CNEL
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	1155	24	12	67.8	68.1
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	715	15	7	67.2	67.5
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1799	37	19	71.3	71.6
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1650	34	17	67.8	68.1
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	393	8	4	61.5	61.8
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	882	18	9	68.2	68.5
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	947	20	10	68.5	68.8
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	1448	30	15	71.8	72.1
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1879	39	19	72.9	73.2
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	947	20	10	68.5	68.8
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1687	35	17	69.4	69.7
College Avenue between 6th Street and 1st Street	Hard	30	30	30	25	598	12	6	63.4	63.7
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1847	38	19	68.3	68.6
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	1143	24	12	69.3	69.6
Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1795	37	19	72.7	73.0
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	2251	46	23	70.7	71.0
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	531	11	5	62.9	63.2
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1142	24	12	67.7	68.0
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	450	9	5	63.7	64.0
Claremont Boulevard n/o Foothill Boulevard	Hard	30	40	40	35	782	16	8	67.6	67.9
Mills Avenue n/o Base Line Road	Hard	30	40	40	35	707	15	7	67.2	67.5
Monte Vista/Padua Ave n/o Base Line Road	Hard	30	40	40	35	655	14	7	66.9	67.2
Central Avenue s/o Foothill Boulevard	Hard	30	40	40	35	1425	29	15	70.2	70.5
Monte Vista Avenue s/o 1st Street	Hard	30	45	45	40	1862	38	19	72.9	73.2
Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	35	35	30	691	14	7	65.5	65.8
College Avenue s/o Arrow Highway	Hard	30	30	30	25	302	6	3	60.4	60.7
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	2435	50	25	71.0	71.3
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	2201	45	23	73.6	73.9
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	2280	47	24	73.8	74.1
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	2872	59	30	74.8	75.1
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	2176	45	22	72.1	72.4
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2436	50	25	72.6	72.9
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	2255	47	23	72.2	72.5
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	2039	42	21	71.8	72.1
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	2000	41	21	71.7	72.0
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	2312	48	24	72.3	72.6
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	561	12	6	63.1	63.4
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	685	14	7	64.0	64.3
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	830	17	9	64.8	65.1
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	30	30	25	1136	23	12	66.2	66.5
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	756	16	8	64.4	64.7
1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	735	15	8	64.3	64.6
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	11	0	0	47.4	47.7
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard	30	35	35	30	2551	53	26	71.2	71.5
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	2521	52	26	74.2	74.5
Base Line Road e/o I-210 Ramps	Hard	30	40	40	35	2769	57	29	73.1	73.4
Foothill Boulevard e/o Central Avenue	Hard	30	30	30	25	2189	45	23	69.0	69.3
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	228	5	2	62.3	62.6
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1784	37	18	72.7	73.0
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	2329	48	24	72.4	72.7
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1490	31	15	70.4	70.7

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	1,141	1,191	1,191	1,155	24	12
Mills Avenue between Base Line Road and Foothill Boulevard	623	737	737	715	15	7
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,855	1,528	1,855	1,799	37	19
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,217	1,701	1,701	1,650	34	17
College Avenue between Foothill Boulevard and 6th Street	370	405	405	393	8	4
Claremont Boulevard between Foothill Boulevard and 9th Street	909	797	909	882	18	9
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	976	806	976	947	20	10
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	1,300	1,493	1,493	1,448	30	15
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,937	1,461	1,937	1,879	39	19
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	976	806	976	947	20	10
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,399	1,739	1,739	1,687	35	17
College Avenue between 6th Street and 1st Street	528	616	616	598	12	6
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,904	1,663	1,904	1,847	38	19
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	1,178	1,079	1,178	1,143	24	12
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,850	1,652	1,850	1,795	37	19
Indian Hill Boulevard between 1st Street and Arrow Highway	2,321	2,027	2,321	2,251	46	23
College Avenue between 1st Street and Arrow Highway	445	547	547	531	11	5
Claremont Boulevard between 1st Street and Arrow Highway	1,177	1,153	1,177	1,142	24	12
Indian Hill Boulevard n/o Base Line Road	461	464	464	450	9	5
Claremont Boulevard n/o Foothill Boulevard	806	772	806	782	16	8
Mills Avenue n/o Base Line Road	729	686	729	707	15	7
Monte Vista/Padua Ave n/o Base Line Road	675	578	675	655	14	7
Central Avenue s/o Foothill Boulevard	1,469	1,191	1,469	1,425	29	15
Monte Vista Avenue s/o 1st Street	1,920	1,855	1,920	1,862	38	19
Claremont Boulevard/Mills Avenue s/o Arrow Highway	712	614	712	691	14	7
College Avenue s/o Arrow Highway	276	311	311	302	6	3
Indian Hill Boulevard s/o Arrow Highway	2,510	2,354	2,510	2,435	50	25
Base Line Road between Indian Hill Boulevard and Mills Avenue	2,098	2,269	2,269	2,201	45	23
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	2,329	2,351	2,351	2,280	47	24
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	2,833	2,961	2,961	2,872	59	30
Foothill Boulevard between Indian Hill Boulevard and College Avenue	2,058	2,243	2,243	2,176	45	22
Foothill Boulevard between College Avenue and Dartmouth Avenue	2,137	2,511	2,511	2,436	50	25
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	2,144	2,325	2,325	2,255	47	23
Foothill Boulevard between Mills Avenue and Claremont Boulevard	2,047	2,102	2,102	2,039	42	21
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	2,062	1,991	2,062	2,000	41	21
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	2,383	2,269	2,383	2,312	48	24
6th Street between Indian Hill Boulevard and College Avenue	571	578	578	561	12	6
6th Street between College Avenue and Mills Avenue	699	706	706	685	14	7
6th Street between Mills Avenue and Claremont Boulevard	856	827	856	830	17	9
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	1,171	1,169	1,171	1,136	23	12
1st Street between Indian Hill Boulevard and College Avenue	567	779	779	756	16	8
1st Street between College Avenue and Claremont Boulevard	392	758	758	735	15	8
1st Street between Claremont Boulevard and Monte Vista Avenue	10	11	11	11	0	0
Arrow Highway between Indian Hill Boulevard and College Avenue	2,090	2,630	2,630	2,551	53	26
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	2,135	2,599	2,599	2,521	52	26
Base Line Road e/o I-210 Ramps	2,806	2,855	2,855	2,769	57	29
Foothill Boulevard e/o Central Avenue	2,227	2,257	2,257	2,189	45	23
1st Street e/o Monte Vista Avenue	153	235	235	228	5	2
Arrow Highway e/o Claremont Boulevard/Mills Avenue	1,503	1,839	1,839	1,784	37	18
· · · · · · · · · · · · · · · · · · ·	2,366	2,401	2,401	2,329	48	24
Base Line Road W/o indian fill Boulevard						
Base Line Road w/o Indian Hill Boulevard Foothill Boulevard w/o Indian Hill Boulevard	1,399	1,536	1,536	1,490	31	15



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Horizon Year (2040) Without Project Source of Traffic Volumes: KOA

Segment	Ground	Distance from Roadway to	Sp	eed (mp	h)	Peak	Hour V	olume	Peak Hour Noise Level (Leq(h)	Noise Level
	Туре	Receiver (feet)	Auto	MT	HT	Auto	MT	HT	dBA)	GRA CNEL
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	1519	31	16	69.0	69.3
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	933	19	10	68.4	68.7
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1739	36	18	71.1	71.4
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1528	32	16	67.4	67.7
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	482	10	5	62.4	62.7
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	1038	21	11	68.9	69.2
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1308	27	13	69.9	70.2
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	1662	34	17	72.4	72.7
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1764	36	18	72.6	72.9
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1308	27	13	69.9	70.2
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1629	34	17	69.3	69.6
College Avenue between 6th Street and 1st Street	Hard	30	30	30	25	642	13	7	63.7	64.0
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1762	36	18	68.1	68.4
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	1445	30	15	70.3	70.6
Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1866	38	19	70.3 72.9	73.2
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1956	30 40	20	72.9	73.2 70.4
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	635	13	7	63.6	63.9
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1604	33	, 17	69.2	69.5
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	499	33 10	5	64.1	64.4
		30	33 40	40	35	948	20		68.5	68.8
Claremont Boulevard n/o Foothill Boulevard	Hard	30			35 35			10		66.9
Mills Avenue n/o Base Line Road	Hard		40	40		618	13	6	66.6	
Monte Vista/Padua Ave n/o Base Line Road	Hard	30	40	40	35	586	12	6	66.4	66.7
Central Avenue s/o Foothill Boulevard Monte Vista Avenue s/o 1st Street	Hard Hard	30 30	40	40	35 40	1877 1894	39 39	19 20	71.4 73.0	71.7
Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	45 35	45 35	30	906	19	9	66.7	73.3 67.0
College Avenue s/o Arrow Highway	Hard	30	30	30	25	416	9	4	61.8	62.1
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	2149	44	22	70.5	70.8
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	2974	61	31	74.9	75.2
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	2732	56	28	74.5	74.8
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	3213	66	33	75.2	75.5
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	2459	51	25	72.6	72.9
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2630	54	27	72.9	73.2
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	2777	57	29	73.1	73.4
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	2393	49	25	72.5	72.8
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	2276	47	23	72.3	72.6
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	2527	52	26	72.7	73.0
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	549	11	6	63.0	63.3
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	653	13	7	63.8	64.1
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	853	18	9	64.9	65.2
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave		30	30	30	25	1398	29	14	67.1	67.4
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	774	16	8	64.5	64.8
1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	872	18	9	65.0	65.3
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	15	0	0	48.8	49.1
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard	30	35	35	30	2312	48	24	70.8	71.1
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	2312	48	24	73.8	74.1
Base Line Road e/o I-210 Ramps	Hard	30	45 40	45 40	35	3308	48 68	34	73.8 73.9	74.1 74.2
Foothill Boulevard e/o Central Avenue	Hard Hard	30 30	40 30	40 30	35 25	3308 2492	58 51	34 26	73.9 69.6	74.2 69.9
•										
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	569	12	6	66.3	66.6
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	2270	47	23	73.7	74.0
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	2694	56	28	73.0	73.3
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1577	33	16	70.7	71.0
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	981	20	10	68.7	69.0

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	1,566	1,190	1,566	1,519	31	16
Mills Avenue between Base Line Road and Foothill Boulevard	962	797	962	933	19	10
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,578	1,793	1,793	1,739	36	18
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,575	1,540	1,575	1,528	32	16
College Avenue between Foothill Boulevard and 6th Street	497	352	497	482	10	5
Claremont Boulevard between Foothill Boulevard and 9th Street	1,008	1,070	1,070	1,038	21	11
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,348	1,059	1,348	1,308	27	13
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	1,557	1,713	1,713	1,662	34	17
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,819	1,814	1,819	1,764	36	18
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,348	1,059	1,348	1,308	27	13
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,679	1,584	1,679	1,629	34	17
College Avenue between 6th Street and 1st Street	662	657	662	642	13	7
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,817	1,560	1,817	1,762	36	18
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	1,490	1,453	1,490	1,445	30	15
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,908	1,924	1,924	1,866	38	19
Indian Hill Boulevard between 1st Street and Arrow Highway	1,858	2,017	2,017	1,956	40	20
College Avenue between 1st Street and Arrow Highway	519	655	655	635	13	7
Claremont Boulevard between 1st Street and Arrow Highway	1,654	1,452	1,654	1,604	33	17
Indian Hill Boulevard n/o Base Line Road	514	448	514	499	10	5
Claremont Boulevard n/o Foothill Boulevard	977	927	977	948	20	10
Mills Avenue n/o Base Line Road	637	588	637	618	13	6
Monte Vista/Padua Ave n/o Base Line Road	481	604	604	586	12	6
Central Avenue s/o Foothill Boulevard	949	1,935	1,935	1,877	39	19
Monte Vista Avenue s/o 1st Street	1,763	1,953	1,953	1,894	39	20
Claremont Boulevard/Mills Avenue s/o Arrow Highway	901	934	934	906	19	9
College Avenue s/o Arrow Highway	429	358	429	416	9	4
Indian Hill Boulevard s/o Arrow Highway	2,215	2,182	2,215	2,149	44	22
Base Line Road between Indian Hill Boulevard and Mills Avenue	3,066	2,821	3,066	2,974	61	31
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	2,817	2,707	2,817	2,732	56	28
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	3,296	3,312	3,312	3,213	66	33
Foothill Boulevard between Indian Hill Boulevard and College Avenue	2,454	2,535	2,535	2,459	51	25
Foothill Boulevard between College Avenue and Dartmouth Avenue	2,647	2,711	2,711	2,630	54	27
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	2,643	2,863	2,863	2,777	57	29
Foothill Boulevard between Mills Avenue and Claremont Boulevard	2,375	2,467	2,467	2,393	49	25
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	2,151	2,346	2,346	2,276	47	23
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	2,138	2,605	2,605	2,527	52	26
6th Street between Indian Hill Boulevard and College Avenue	397	566	566	549	11	6
6th Street between College Avenue and Mills Avenue	582	673	673	653	13	7
6th Street between Mills Avenue and Claremont Boulevard	549	879	879	853	18	9
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	1,025	1,441	1,441	1,398	29	14
1st Street between Indian Hill Boulevard and College Avenue	678	798	798	774	16	8
1st Street between College Avenue and Claremont Boulevard	779	899	899	872	18	9
1st Street between Claremont Boulevard and Monte Vista Avenue	9	15	15	15	0	0
Arrow Highway between Indian Hill Boulevard and College Avenue	2,109	2,383	2,383	2,312	48	24
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	2,281	2,387	2,387	2,315	48	24
Base Line Road e/o I-210 Ramps	3,092	3,410	3,410	3,308	68	34
Foothill Boulevard e/o Central Avenue	1,773	2,569	2,569	2,492	51	26
1st Street e/o Monte Vista Avenue	587	339	587	569	12	6
Arrow Highway e/o Claremont Boulevard/Mills Avenue	2,030	2,340	2,340	2,270	47	23
Base Line Road w/o Indian Hill Boulevard	2,777	2,566	2,777	2,694	56	28
Foothill Boulevard w/o Indian Hill Boulevard	1,617	1,626	1,626	1,577	33	16
Claremont Boulevard w/o Monte Vista/Padua Ave	1,011	953	1,011	981	20	10



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Opening Year (2027) with Weekday Game Source of Traffic Volumes: KOA

Segment	Ground	Distance from Roadway to	Sp	eed (mp	h)	Peak Hour Volume			Peak Hour Noise Level (Leq(h)	Noise Leve
	Туре	Receiver (feet)	Auto	MT	нт	Auto	MT	HT	dBA)	dBA CNEL
ndian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	1299	27	13	68.3	68.6
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	747	15	8	67.4	67.7
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1557	32	16	70.6	70.9
ndian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1176	24	12	66.3	66.6
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	459	9	5	62.2	62.5
Claremont Boulevard between 9th Street and Foothill Boulevard	Hard	30	40	40	35	1096	23	11	69.1	69.4
	Hard	30	40	40	35	1127	23	12	69.2	69.5
•	Hard	30	45	45	40	995	21	10	70.2	70.5
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1217	25	13	71.0	71.3
	Hard	30	40	40	35	1127	23	12	69.2	69.5
•	Hard	30	35	35	30	1312	27	14	68.3	68.6
	Hard	30	30	30	25	510	11	5	62.7	63.0
	Hard	30	30	30	25	1307	27	13	66.8	67.1
	Hard	30	40	40	35	1142	24	12	69.3	69.6
	Hard	30	45	45	40	1378	28	14	71.6	71.9
•	Hard	30	35	35	30	1429	29	15	68.7	69.0
	Hard	30	30	30	25	528	11	5	62.8	63.1
- · ·	Hard	30	35	35	30	1109	23	11	67.6	67.9
	Hard	30	35	35	30	400	8	4	63.2	63.5
•	Hard	30	40	40	35	859	18	9	68.0	68.3
·	Hard	30	40	40	35	630	13	6	66.7	67.0
•	Hard	30	40	40	35	547	11	6	66.1	66.4
	Hard	30	40	40	35	940	19	10	68.4	68.7
	Hard	30	45	45	40	1435	30	15	71.7	72.0
	Hard	30	35	35	30	861	18	9	66.5	66.8
	Hard	30	30	30	25	353	7	4	61.1	61.4
	Hard	30	35	35	30	1775	37	18	69.6	69.9
· · · · · · · · · · · · · · · · · · ·	Hard	30	45	45	40	1950	40	20	73.1	73.4
	Hard	30	45	45	40	1724	36	18	72.5	72.8
	Hard	30	45	45	40	2551	53	26	74.2	74.5
•	Hard	30	40	40	35	2021	42	21	71.8	72.1
oothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2210	46	23	72.1	72.4
oothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	2372	49	24	72.5	72.8
oothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	2067	43	21	71.9	72.2
oothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	1913	39	20	71.5	71.8
	Hard	30	40	40	35	2076	43	21	71.9	72.2
	Hard	30	30	30	25	264	5	3	59.8	60.1
——————————————————————————————————————	Hard	30	30	30	25	453	9	5	62.2	62.5
<u> </u>	Hard	30	30	30	25	537	11	6	62.9	63.2
	Hard	30	30	30	25	732	15	8	64.3	64.6
	Hard	30	30	30	25	437	9	5	62.0	62.3
· · · · · · · · · · · · · · · · · · ·	Hard	30	30	30	25	373	8	4	61.3	61.6
	Hard	30	35	35	30	13	0	0	48.2	48.5
	Hard	30	35	35	30	1956	40	20	70.1	70.4
<i>5</i> ,	Hard	30	45	45	40	1890	39	19	72.9	73.2
	Hard	30	40	40	35	2616	54	27	72.9	73.2
· · · · · · · · · · · · · · · · · · ·	Hard	30	30	30	25	2364	49	24	69.3	69.6
	Hard	30	40	40	35	265	5	3	62.9	63.2
•	Hard	30	45	45	40	1638	34	17	72.3	72.6
	Hard	30	40	40	35	2178	45	22	72.1	72.4
ade Line noda wyo maian mii boulevara	riuru									
oothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1329	27	14	69.9	70.2

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	1,339	815	1,339	1,299	27	13
Mills Avenue between Base Line Road and Foothill Boulevard	770	603	770	747	15	8
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,433	1,605	1,605	1,557	32	16
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,212	1,149	1,212	1,176	24	12
College Avenue between Foothill Boulevard and 6th Street	473	330	473	459	9	5
Claremont Boulevard between 9th Street and Foothill Boulevard	977	1,130	1,130	1,096	23	11
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,112	1,162	1,162	1,127	23	12
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	979	1,026	1,026	995	21	10
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,019	1,255	1,255	1,217	25	13
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,112	1,162	1,162	1,127	23	12
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,353	1,243	1,353	1,312	27	14
College Avenue between 6th Street and 1st Street	526	513	526	510	11	5
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,347	1,210	1,347	1,307	27	13
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	1,162	1,177	1,177	1,142	24	12
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,041	1,421	1,421	1,378	28	14
Indian Hill Boulevard between 1st Street and Arrow Highway	1,473	1,400	1,473	1,429	29	15
College Avenue between 1st Street and Arrow Highway	483	544	544	528	11	5
Claremont Boulevard between 1st Street and Arrow Highway	1,143	1,100	1,143	1,109	23	11
Indian Hill Boulevard n/o Base Line Road	412	335	412	400	8	4
Claremont Boulevard n/o Foothill Boulevard	886	828	886	859	18	9
Mills Avenue n/o Base Line Road	649	491	649	630	13	6
Monte Vista/Padua Ave n/o Base Line Road	437	564	564	547	11	6
Central Avenue s/o Foothill Boulevard	646	969	969	940	19	10
Monte Vista Avenue s/o 1st Street	1,124	1,479	1,479	1,435	30	15
Claremont Boulevard/Mills Avenue s/o Arrow Highway	817	888	888	861	18	9
College Avenue s/o Arrow Highway	364	323	364	353	7	4
Indian Hill Boulevard s/o Arrow Highway	1,790	1,830	1,830	1,775	37	18
Base Line Road between Indian Hill Boulevard and Mills Avenue	2,010	1,759	2,010	1,950	40	20
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	1,777	1,739	1,777	1,724	36	18
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	2,418	2,630	2,630	2,551	53	26
Foothill Boulevard between Indian Hill Boulevard and College Avenue	1,974	2,030	2,030	2,021	42	21
Foothill Boulevard between College Avenue and Dartmouth Avenue	2,179	2,084	2,278	2,021	46	23
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	2,173	2,445	2,445	2,210	49	24
Foothill Boulevard between Mills Avenue and Claremont Boulevard	1,861	2,131	2,131	2,067	43	21
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	1,543	1,972	1,972	1,913	39	20
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	1,721	2,140	2,140	2,076	43	21
6th Street between Indian Hill Boulevard and College Avenue	252	2,140	272	264	5	3
6th Street between College Avenue and Mills Avenue	439	467	467	453	9	5
6th Street between Mills Avenue and Claremont Boulevard	399	554	554	537	11	6
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	582	755	755	732	15	8
1st Street between Indian Hill Boulevard and College Avenue	341	451	451	437	9	5
1st Street between College Avenue and Claremont Boulevard	366	385	385	373	8	4
1st Street between Claremont Boulevard and Monte Vista Avenue	8	13	13	13	0	0
Arrow Highway between Indian Hill Boulevard and College Avenue	1,659	2,016	2,016	1,956	40	20
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	1,609	1,948	1,948	1,890	39	19
Base Line Road e/o I-210 Ramps	2,240	2,697	2,697	2,616	54	27
Foothill Boulevard e/o Central Avenue	1,827	2,437	2,437	2,364	49	24
1st Street e/o Monte Vista Avenue	258	2,437	273	265	5	3
Arrow Highway e/o Claremont Boulevard/Mills Avenue	1,298	1,689	1,689	1,638	34	17
Base Line Road w/o Indian Hill Boulevard	2,245	1,963	2,245	2,178	45	22
Foothill Boulevard w/o Indian Hill Boulevard	1,370	1,316	1,370	1,329	27	14
Claremont Boulevard w/o Monte Vista/Padua Ave	741	665	741	719	15	7
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Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Opening Year (2027) with Weekday Practice Source of Traffic Volumes: KOA

Segment	Ground	Distance from Roadway to	Sp	eed (mp	h)	Peak	Hour V	olume	Peak Hour Noise Level (Leq(h)	Noise Leve
· · · · · · · · · · · · · · · · · · ·	Туре	Receiver (feet)	Auto	MT	HT	Auto	MT	HT	dBA)	dBA CNEL
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	1299	27	13	68.3	68.6
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	747	15	8	67.4	67.7
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1542	32	16	70.6	70.9
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1176	24	12	66.3	66.6
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	459	9	5	62.2	62.5
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	1058	22	11	68.9	69.2
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1098	23	11	69.1	69.4
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	986	20	10	70.1	70.4
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1217	25	13	71.0	71.3
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1098	23	11	69.1	69.4
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1312	27	14	68.3	68.6
College Avenue between 6th Street and 1st Street	Hard	30	30	30	25	510	11	5	62.7	63.0
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1307	27	13	66.8	67.1
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	1127	23	12	69.2	69.5
Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1359	28	14	71.5	71.8
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1429	29	15	68.7	69.0
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	528	11	5	62.8	63.1
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1109	23	11	67.6	67.9
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	400	8	4	63.2	63.5
Claremont Boulevard n/o Foothill Boulevard	Hard	30	40	40	35	859	18	9	68.0	68.3
Mills Avenue n/o Base Line Road	Hard	30	40	40	35	630	13	6	66.7	67.0
•	Hard	30	40	40	35	542	11	6	66.0	66.3
Monte Vista/Padua Ave n/o Base Line Road Central Avenue s/o Foothill Boulevard	Hard	30	40	40	35	940	19	10	68.4	68.7
Monte Vista Avenue s/o 1st Street	Hard	30	45	45	40	1420	29	15	71.7	72.0
Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	35	35	30	857	18	9	66.5	66.8
College Avenue s/o Arrow Highway	Hard	30	30	30	25	353	7	4	61.1	61.4
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	1770	37	18	69.6	69.9
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	1950	40	20	73.1	73.4
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	1724	36	18	72.5	72.8
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	2541	52	26	74.2	74.5
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	2017	42	21	71.7	72.0
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2205	45	23	72.1	72.4
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	2367	49	24	72.4	72.7
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	2043	42	21	71.8	72.1
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	1908	39	20	71.5	71.8
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	2066	43	21	71.9	72.2
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	259	5	3	59.7	60.0
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	448	9	5	62.1	62.4
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	533	11	5	62.9	63.2
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave		30	30	30	25	723	15	7	64.2	64.5
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	433	9	4	62.0	62.3
1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	369	8	4	61.3	61.6
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	13	0	0	48.2	48.5
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard	30 30	35	35 35	30	1951	40	20	48.2 70.0	48.5 70.3
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	35 45	35 45	40	1885	39	19	70.0 72.9	70.3
Base Line Road e/o I-210 Ramps	Hard	30	40	40	35	2616	59 54	27	72.9 72.9	73.2
Foothill Boulevard e/o Central Avenue	Hard	30 30	30	30	35 25	2354	54 49	24	72.9 69.3	73.2 69.6
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	265	5	3	62.9	63.2
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1638	34	17	72.3	72.6
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	2178	45	22	72.1	72.4
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1329	27	14	69.9	70.2
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	719	15	7	67.3	67.6

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	1,339	810	1,339	1,299	27	13
Mills Avenue between Base Line Road and Foothill Boulevard	770	588	770	747	15	8
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,433	1,590	1,590	1,542	32	16
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,212	1,149	1,212	1,176	24	12
College Avenue between Foothill Boulevard and 6th Street	473	330	473	459	9	5
Claremont Boulevard between Foothill Boulevard and 9th Street	1,036	1,091	1,091	1,058	22	11
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,112	1,132	1,132	1,098	23	11
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	979	1,016	1,016	986	20	10
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,019	1,255	1,255	1,217	25	13
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,112	1,132	1,132	1,098	23	11
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,353	1,238	1,353	1,312	27	14
College Avenue between 6th Street and 1st Street	526	513	526	510	11	5
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,347	1,210	1,347	1,307	27	13
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	1,162	1,162	1,162	1,127	23	12
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,041	1,401	1,401	1,359	28	14
Indian Hill Boulevard between 1st Street and Arrow Highway	1,473	1,400	1,473	1,429	29	15
College Avenue between 1st Street and Arrow Highway	483	544	544	528	11	5
Claremont Boulevard between 1st Street and Arrow Highway	1,143	1,090	1,143	1,109	23	11
Indian Hill Boulevard n/o Base Line Road	412	330	412	400	8	4
Claremont Boulevard n/o Foothill Boulevard	886	823	886	859	18	9
Mills Avenue n/o Base Line Road	649	491	649	630	13	6
Monte Vista/Padua Ave n/o Base Line Road	437	559	559	542	11	6
Central Avenue s/o Foothill Boulevard	646	969	969	940	19	10
Monte Vista Avenue s/o 1st Street	1,124	1,464	1,464	1,420	29	15
Claremont Boulevard/Mills Avenue s/o Arrow Highway	817	883	883	857	18	9
College Avenue s/o Arrow Highway	364	323	364	353	7	4
Indian Hill Boulevard s/o Arrow Highway	1,790	1,825	1,825	1,770	37	18
Base Line Road between Indian Hill Boulevard and Mills Avenue	2,010	1,744	2,010	1,950	40	20
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	1,777	1,645	1,777	1,724	36	18
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	2,418	2,620	2,620	2,541	52	26
Foothill Boulevard between Indian Hill Boulevard and College Avenue	1,974	2,079	2,079	2,017	42	21
Foothill Boulevard between College Avenue and Dartmouth Avenue	2,179	2,273	2,273	2,205	45	23
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	2,172	2,440	2,440	2,367	49	24
Foothill Boulevard between Mills Avenue and Claremont Boulevard	1,861	2,106	2,106	2,043	42	21
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	1,543	1,967	1,967	1,908	39	20
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	1,721	2,130	2,130	2,066	43	21
6th Street between Indian Hill Boulevard and College Avenue	252	267	267	259	5	3
6th Street between College Avenue and Mills Avenue	439	462	462	448	9	5
6th Street between Mills Avenue and Claremont Boulevard	399	549	549	533	11	5
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	582	745	745	723	15	7
1st Street between Indian Hill Boulevard and College Avenue	341	446	446	433	9	4
1st Street between College Avenue and Claremont Boulevard	366	380	380	369	8	4
1st Street between Claremont Boulevard and Monte Vista Avenue	8	13	13	13	0	0
Arrow Highway between Indian Hill Boulevard and College Avenue	1,659	2,011	2,011	1,951	40	20
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	1,609	1,943	1,943	1,885	39	19
Base Line Road e/o I-210 Ramps	2,240	2,697	2,697	2,616	54	27
Foothill Boulevard e/o Central Avenue	1,827	2,427	2,427	2,354	49	24
1st Street e/o Monte Vista Avenue	258	273	273	265	5	3
Arrow Highway e/o Claremont Boulevard/Mills Avenue	1,298	1,689	1,689	1,638	34	17
Base Line Road w/o Indian Hill Boulevard	2,245	1,958	2,245	2,178	45	22
Foothill Boulevard w/o Indian Hill Boulevard	1,370	1,311	1,370	1,329	27	14
Claremont Boulevard w/o Monte Vista/Padua Ave	741	665	741	719	15	7



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Opening Year (2027) Weekend Fall Game Source of Traffic Volumes: KOA

Segment	Ground	Distance from Roadway to	Sp	eed (mp	h)	Peak	Hour V	olume	Peak Hour Noise Level (Leq(h)	Noise Level
	Type	Receiver (feet)	Auto	MT	нт	Auto	MT	нт	dBA)	dBA CNEL
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	776	16	8	66.0	66.3
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	587	12	6	66.4	66.7
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1461	30	15	70.3	70.6
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1123	23	12	66.1	66.4
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	342	7	4	60.9	61.2
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	954	20	10	68.5	68.8
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	933	19	10	68.4	68.7
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	977	20	10	70.1	70.4
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1089	22	11	70.5	70.8
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	933	19	10	68.4	68.7
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1139	23	12	67.7	68.0
College Avenue between 6th Street and 1st Street	Hard	30	30	30	25	470	10	5	62.3	62.6
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1204	25	12	66.4	66.7
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	911	19	9	68.3	68.6
Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1216	25	13	71.0	71.3
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1373	28	14	68.5	68.8
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	408	8	4	61.7	62.0
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	970	20	10	67.0	67.3
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	366	8	4	62.8	63.1
Claremont Boulevard n/o Foothill Boulevard	Hard	30	40	40	35	705	15	7	67.2	67.5
Mills Avenue n/o Base Line Road	Hard	30	40	40	35	582	12	6	66.4	66.7
Monte Vista/Padua Ave n/o Base Line Road	Hard	30	40	40	35	581	12	6	66.3	66.6
Central Avenue s/o Foothill Boulevard	Hard	30	40	40	35	979	20	10	68.6	68.9
Monte Vista Avenue s/o 1st Street	Hard	30	45	45	40	1402	29	14	71.6	71.9
Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	35	35	30	701	14	7	65.6	65.9
College Avenue s/o Arrow Highway	Hard	30	30	30	25	237	5	2	59.3	59.6
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	1803	37	19	69.7	70.0
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	1466	30	15	71.8	72.1
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	1383	29	14	71.6	71.9
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	2294	47	24	73.8	74.1
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	1787	37	18	71.2	71.5
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2076	43	21	71.9	72.2
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	1905	39	20	71.5	71.8
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	1933	40	20	71.6	71.9
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	1721	35	18	71.1	71.4
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	1853	38	19	71.4	71.7
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	226	5	2	59.1	59.4
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	415	9	4	61.8	62.1
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	455	9	5	62.2	62.5
		30	30	30						
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave					25	561	12	6	63.1	63.4
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	436	9	4	62.0	62.3
1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	308	6	3	60.5	60.8
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	10	0	0	47.0	47.3
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard	30	35	35	30	2128	44	22	70.4	70.7
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	2102	43	22	73.4	73.7
Base Line Road e/o I-210 Ramps	Hard	30	40	40	35	2138	44	22	72.0	72.3
Foothill Boulevard e/o Central Avenue	Hard	30	30	30	25	2213	46	23	69.1	69.4
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	166	3	2	60.9	61.2
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1859	38	19	72.9	73.2
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	1907	39	20	71.5	71.8
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1213	25	13	69.5	69.8
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	642	13	7	66.8	67.1
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	642	13	7	66.8	67.1

5/23/2024

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	800	754	800	776	16	8
Mills Avenue between Base Line Road and Foothill Boulevard	593	605	605	587	12	6
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,506	1,303	1,506	1,461	30	15
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,158	1,153	1,158	1,123	23	12
College Avenue between Foothill Boulevard and 6th Street	339	353	353	342	7	4
Claremont Boulevard between Foothill Boulevard and 9th Street	983	930	983	954	20	10
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	950	962	962	933	19	10
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	1,007	913	1,007	977	20	10
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,123	944	1,123	1,089	22	11
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	950	962	962	933	19	10
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,170	1,174	1,174	1,139	23	12
College Avenue between 6th Street and 1st Street	472	485	485	470	10	5
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,241	1,105	1,241	1,204	25	12
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	939	920	939	911	19	9
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,178	1,254	1,254	1,216	25	13
Indian Hill Boulevard between 1st Street and Arrow Highway	1,415	1,273	1,415	1,373	28	14
College Avenue between 1st Street and Arrow Highway	421	419	421	408	8	4
Claremont Boulevard between 1st Street and Arrow Highway	849	1,000	1,000	970	20	10
Indian Hill Boulevard n/o Base Line Road	377	339	377	366	8	4
Claremont Boulevard n/o Foothill Boulevard	727	667	727	705	15	7
Mills Avenue n/o Base Line Road	600	583	600	582	12	6
Monte Vista/Padua Ave n/o Base Line Road	599	535	599	581	12	6
Central Avenue s/o Foothill Boulevard	1,009	978	1,009	979	20	10
Monte Vista Avenue s/o 1st Street	1,246	1,445	1,445	1,402	29	14
Claremont Boulevard/Mills Avenue s/o Arrow Highway	626	723	723	701	14	7
College Avenue s/o Arrow Highway	203	244	244	237	5	2
Indian Hill Boulevard s/o Arrow Highway	1,859	1,799	1,859	1,803	37	19
Base Line Road between Indian Hill Boulevard and Mills Avenue	1,511	1,420	1,511	1,466	30	15
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	1,426	1,361	1,426	1,383	29	14
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	2,365	2,322	2,365	2,294	47	24
Foothill Boulevard between Indian Hill Boulevard and College Avenue	1,842	1,820	1,842	1,787	37	18
Foothill Boulevard between College Avenue and Dartmouth Avenue	1,940	2,140	2,140	2,076	43	21
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	1,956	1,964	1,964	1,905	39	20
Foothill Boulevard between Mills Avenue and Claremont Boulevard	1,993	1,870	1,993	1,933	40	20
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	1,774	1,702	1,774	1,721	35	18
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	1,910	1,855	1,910	1,853	38	19
6th Street between Indian Hill Boulevard and College Avenue	207	233	233	226	5	2
6th Street between College Avenue and Mills Avenue	428	420	428	415	9	4
6th Street between Mills Avenue and Claremont Boulevard	469	438	469	455	9	5
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	578	558	578	561	12	6
1st Street between Indian Hill Boulevard and College Avenue	449	447	449	436	9	4
1st Street between College Avenue and Claremont Boulevard	309	318	318	308	6	3
1st Street between Claremont Boulevard and Monte Vista Avenue	10	10	10	10	0	0
Arrow Highway between Indian Hill Boulevard and College Avenue	1,680	2,194	2,194	2,128	44	22
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	1,601	2,167	2,167	2,102	43	22
Base Line Road e/o I-210 Ramps	2,171	2,204	2,204	2,138	44	22
Foothill Boulevard e/o Central Avenue	2,281	2,209	2,281	2,213	46	23
1st Street e/o Monte Vista Avenue	149	171	171	166	3	2
Arrow Highway e/o Claremont Boulevard/Mills Avenue	1,369	1,917	1,917	1,859	38	19
Base Line Road w/o Indian Hill Boulevard	1,966	1,932	1,966	1,907	39	20
Foothill Boulevard w/o Indian Hill Boulevard	1,250	1,187	1,250	1,213	25	13
Claremont Boulevard w/o Monte Vista/Padua Ave	662	635	662	642	13	7



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Opening Year (2027) Weekend Spring Game Source of Traffic Volumes: KOA

Segment	Ground	Distance from Roadway to	Sp	eed (mp	h)	Peak	Hour V	olume	Peak Hour Noise Level (Leq(h)	Noise Level
	Type	Receiver (feet)	Auto	MT	нт	Auto	MT	нт	dBA)	dBA CNEL
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	776	16	8	66.0	66.3
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	556	11	6	66.2	66.5
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1434	30	15	70.3	70.6
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1123	23	12	66.1	66.4
		30	30	30	25		7		60.9	61.2
College Avenue between Foothill Boulevard and 6th Street Claremont Boulevard between Foothill Boulevard and 9th Street	Hard Hard	30	40	40	35	342 892	18	4 9	68.2	68.5
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard Hard	30	40 45	40 45	35 40	881 956	18 20	9	68.2 70.0	68.5 70.3
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard		30						10		
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1069	22	11	70.5	70.8
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	881	18	9	68.2	68.5
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1129	23	12	67.7	68.0
College Avenue between 6th Street and 1st Street	Hard	30	30	30	25	470	10	5	62.3	62.6
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1204	25	12	66.4	66.7
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	890	18	9	68.2	68.5
Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1176	24	12	70.9	71.2
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1373	28	14	68.5	68.8
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	408	8	4	61.7	62.0
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	950	20	10	66.9	67.2
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	359	7	4	62.7	63.0
Claremont Boulevard n/o Foothill Boulevard	Hard	30	40	40	35	698	14	7	67.1	67.4
Mills Avenue n/o Base Line Road	Hard	30	40	40	35	582	12	6	66.4	66.7
Monte Vista/Padua Ave n/o Base Line Road	Hard	30	40	40	35	574	12	6	66.3	66.6
Central Avenue s/o Foothill Boulevard	Hard	30	40	40	35	979	20	10	68.6	68.9
Monte Vista Avenue s/o 1st Street	Hard	30	45	45	40	1371	28	14	71.5	71.8
Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	35	35	30	692	14	7	65.5	65.8
College Avenue s/o Arrow Highway	Hard	30	30	30	25	237	5	2	59.3	59.6
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	1796	37	19	69.7	70.0
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	1445	30	15	71.8	72.1
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	1383	29	14	71.6	71.9
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	2274	47	23	73.7	74.0
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	1780	37	18	71.2	71.5
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2066	43	21	71.9	72.2
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	1895	39	20	71.5	71.8
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	1899	39	20	71.5	71.8
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	1694	35	17	71.0	71.3
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	1839	38	19	71.3	71.6
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	216	4	2	59.0	59.3
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	408	8	4	61.7	62.0
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	448	9	5	62.1	62.4
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	30	30	25	547	11	6	63.0	63.3
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	429	9	4	61.9	62.2
1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	299	6	3	60.4	60.7
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	10	0	0	47.0	47.3
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard	30	35	35	30	2118	44	22	70.4	70.7
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	2092	43	22	73.4	73.7
Base Line Road e/o I-210 Ramps	Hard	30	40	40	35	2138	44	22	72.0	72.3
Foothill Boulevard e/o Central Avenue	Hard	30	30	30	25	2199	45	23	69.0	69.3
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	166	3	2	60.9	61.2
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1859	38	19	72.9	73.2
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	1907	39	20	71.5	71.8
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1213	25	13	69.5	69.8
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	635	13	7	66.7	67.0
Sid-Citions Soulevard wyo monte vistage adda Ave	riaiu	30	40	70	33	000	13	,	50.7	07.0

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	800	744	800	776	16	8
Mills Avenue between Base Line Road and Foothill Boulevard	572	573	573	556	11	6
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,478	1,272	1,478	1,434	30	15
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,158	1,153	1,158	1,123	23	12
College Avenue between Foothill Boulevard and 6th Street	339	353	353	342	7	4
Claremont Boulevard between Foothill Boulevard and 9th Street	920	855	920	892	18	9
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	908	898	908	881	18	9
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	986	892	986	956	20	10
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,102	944	1,102	1,069	22	11
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	908	898	908	881	18	9
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,163	1,164	1,164	1,129	23	12
College Avenue between 6th Street and 1st Street	472	485	485	470	10	5
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,241	1,105	1,241	1,204	25	12
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	918	888	918	890	18	9
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,157	1,212	1,212	1,176	24	12
Indian Hill Boulevard between 1st Street and Arrow Highway	1,415	1,273	1,415	1,373	28	14
College Avenue between 1st Street and Arrow Highway	421	419	421	408	8	4
Claremont Boulevard between 1st Street and Arrow Highway	835	979	979	950	20	10
Indian Hill Boulevard n/o Base Line Road	370	329	370	359	7	4
Claremont Boulevard n/o Foothill Boulevard	720	657	720	698	14	7
Mills Avenue n/o Base Line Road	600	583	600	582	12	6
Monte Vista/Padua Ave n/o Base Line Road	592	525	592	574	12	6
Central Avenue s/o Foothill Boulevard	1,009	978	1,009	979	20	10
Monte Vista Avenue s/o 1st Street	1,225	1,413	1,413	1,371	28	14
Claremont Boulevard/Mills Avenue s/o Arrow Highway	619	713	713	692	14	7
College Avenue s/o Arrow Highway	203	244	244	237	5	2
Indian Hill Boulevard s/o Arrow Highway	1,852	1,789	1,852	1,796	37	19
Base Line Road between Indian Hill Boulevard and Mills Avenue	1,490	1 200	1 400	1 445	30	15
		1,388	1,490	1,445		
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	1,426	1,361	1,426	1,383	29	14
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	2,344	2,301	2,344	2,274	47	23
Foothill Boulevard between Indian Hill Boulevard and College Avenue	1,835	1,810	1,835	1,780	37	18
Foothill Boulevard between College Avenue and Dartmouth Avenue	1,933	2,130	2,130	2,066	43	21
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	1,949	1,954	1,954	1,895	39	20
Foothill Boulevard between Mills Avenue and Claremont Boulevard	1,958	1,817	1,958	1,899	39	20
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	1,746	1,692	1,746	1,694	35	17
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	1,896	1,834	1,896	1,839	38	19
6th Street between Indian Hill Boulevard and College Avenue	200	223	223	216	4	2
6th Street between College Avenue and Mills Avenue	421	410	421	408	8	4
6th Street between Mills Avenue and Claremont Boulevard	462	428	462	448	9	5
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	564	537	564	547	11	6
1st Street between Indian Hill Boulevard and College Avenue	442	437	442	429	9	4
1st Street between College Avenue and Claremont Boulevard	302	308	308	299	6	3
1st Street between Claremont Boulevard and Monte Vista Avenue	10	10	10	10	0	0
Arrow Highway between Indian Hill Boulevard and College Avenue	1,673	2,184	2,184	2,118	44	22
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	1,594	2,157	2,157	2,092	43	22
Base Line Road e/o I-210 Ramps	2,171	2,204	2,204	2,138	44	22
Foothill Boulevard e/o Central Avenue	2,267	2,188	2,267	2,199	45	23
1st Street e/o Monte Vista Avenue	149	171	171	166	3	2
Arrow Highway e/o Claremont Boulevard/Mills Avenue	1,369	1,917	1,917	1,859	38	19
Base Line Road w/o Indian Hill Boulevard	1,966	1,922	1,966	1,907	39	20
Foothill Boulevard w/o Indian Hill Boulevard	1,250	1,177	1,250	1,213	25	13
Claremont Boulevard w/o Monte Vista/Padua Ave	655	635	655	635	13	7



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Opening Year (2027) Weekend Without Project Source of Traffic Volumes: KOA

Segment	Ground	Distance from Roadway to	Sp	eed (mp	h)	Peak	Hour V	olume	Peak Hour Noise Level (Leq(h)	Noise Level
	Туре	Receiver (feet)	Auto	MT	нт	Auto	MT	нт	dBA)	dBA CNEL
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	775	16	8	66.0	66.3
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	520	11	5	65.9	66.2
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1388	29	14	70.1	70.4
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1123	23	12	66.1	66.4
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	342	23 7	4	60.9	61.2
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	790	16	8	67.7	68.0
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	811	17	8	67.8	68.1
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	922	19	10	69.8	70.1
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1037	21	11	70.3	70.6
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	811	17	8	67.8	68.1
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1116	23	12	67.6	67.9
College Avenue between 6th Street and 1st Street	Hard	30	30	30	25	470	10	5	62.3	62.6
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1204	25	12	66.4	66.7
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	856	18	9	68.0	68.3
Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1114	23	11	70.6	70.9
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1373	28	14	68.5	68.8
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	408	8	4	61.7	62.0
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	919	19	9	66.8	67.1
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	347	7	4	62.6	62.9
Claremont Boulevard n/o Foothill Boulevard	Hard	30	40	40	35	687	14	7	67.1	67.4
Mills Avenue n/o Base Line Road	Hard	30	40	40	35	582	12	6	66.4	66.7
Monte Vista/Padua Ave n/o Base Line Road	Hard	30	40	40	35	563	12	6	66.2	66.5
Central Avenue s/o Foothill Boulevard	Hard	30	40	40	35	979	20	10	68.6	68.9
Monte Vista Avenue s/o 1st Street	Hard	30	45	45	40	1324	27	14	71.4	71.7
Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	35	35	30	676	14	7	65.4	65.7
College Avenue s/o Arrow Highway	Hard	30	30	30	25	237	5	2	59.3	59.6
Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	1785	37	18	69.7	70.0
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	1856	38	19	72.9	73.2
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	1617	33	17	72.3	72.6
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	2344	48	24	73.9	74.2
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	1845	38	19	71.4	71.7
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2024	42	21	71.8	72.1
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30	40	40	35	2193	45	23	72.1	72.4
Foothill Boulevard between Mills Avenue and Claremont Boulevard	Hard	30	40	40	35	1827	38	19	71.3	71.6
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	1708	35	18	71.0	71.3
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	1840	38	19	71.4	71.7
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	149	3	2	57.3	57.6
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	358	7	4	61.1	61.4
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	439	9	5	62.0	62.3
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	30	30	25	617	13	6	63.5	63.8
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	397	8	4	61.6	61.9
1st Street between Indian I in Bouleval d and Conege Avenue 1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	343	7	4	61.0	61.3
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	11	0	0	47.4	47.7
		30	35			1797	37	19	69.7	70.0
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard			35	30					
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1734	36	18	72.6	72.9
Base Line Road e/o I-210 Ramps	Hard	30	40	40	35	2460	51	25	72.6	72.9
Foothill Boulevard e/o Central Avenue	Hard	30	30	30	25	2105	43	22	68.8	69.1
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	252	5	3	62.7	63.0
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1526	31	16	72.0	72.3
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	2140	44	22	72.0	72.3
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1255	26	13	69.7	70.0
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	695	14	7	67.1	67.4

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	799	728	799	775	16	8
Mills Avenue between Base Line Road and Foothill Boulevard	536	525	536	520	11	5
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,431	1,223	1,431	1,388	29	14
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,158	1,153	1,158	1,123	23	12
College Avenue between Foothill Boulevard and 6th Street	339	353	353	342	7	4
Claremont Boulevard between Foothill Boulevard and 9th Street	814	742	814	790	16	8
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	836	801	836	811	17	8
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	951	859	951	922	19	10
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,069	943	1,069	1,037	21	11
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	836	801	836	811	17	8
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,151	1,148	1,151	1,116	23	12
College Avenue between 6th Street and 1st Street	472	485	485	470	10	5
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,241	1,105	1,241	1,204	25	12
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	882	840	882	856	18	9
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,120	1,148	1,148	1,114	23	11
Indian Hill Boulevard between 1st Street and Arrow Highway	1,415	1,273	1,415	1,373	28	14
College Avenue between 1st Street and Arrow Highway	421	419	421	408	8	4
Claremont Boulevard between 1st Street and Arrow Highway	811	947	947	919	19	9
Indian Hill Boulevard n/o Base Line Road	358	313	358	347	7	4
Claremont Boulevard n/o Foothill Boulevard	708	641	708	687	14	7
Mills Avenue n/o Base Line Road	600	583	600	582	12	6
Monte Vista/Padua Ave n/o Base Line Road	580	509	580	563	12	6
Central Avenue s/o Foothill Boulevard	1,009	978	1,009	979	20	10
Monte Vista Avenue s/o 1st Street	1,189	1,365	1,365	1,324	27	14
Claremont Boulevard/Mills Avenue s/o Arrow Highway	607	697	697	676	14	7
College Avenue s/o Arrow Highway	203	244	244	237	5	2
Indian Hill Boulevard s/o Arrow Highway	1,840	1,773	1,840	1,785	37	18
Base Line Road between Indian Hill Boulevard and Mills Avenue	1,913	1,625	1,913	1,856	38	19
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	1,667	1,537	1,667	1,617	33	17
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	2,249	2,416	2,416	2,344	48	24
Foothill Boulevard between Indian Hill Boulevard and College Avenue	1,824	1,902	1,902	1,845	38	19
Foothill Boulevard between College Avenue and Dartmouth Avenue	2,020	2,087	2,087	2,024	42	21
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	2,002	2,261	2,261	2,193	45	23
Foothill Boulevard between Mills Avenue and Claremont Boulevard	1,698	1,883	1,883	1,827	38	19
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	1,387	1,761	1,761	1,708	35	18
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	1,567	1,897	1,897	1,840	38	19
6th Street between Indian Hill Boulevard and College Avenue	144	154	154	149	3	2
6th Street between College Avenue and Mills Avenue	319	369	369	358	7	4
6th Street between Mills Avenue and Claremont Boulevard	319	453	453	439	9	5
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	503	636	636	617	13	6
1st Street between Indian Hill Boulevard and College Avenue	317	409	409	397	8	4
1st Street between College Avenue and Claremont Boulevard	349	354	354	343	7	4
1st Street between Claremont Boulevard and Monte Vista Avenue	7	11	11	11	0	0
Arrow Highway between Indian Hill Boulevard and College Avenue	1,531	1,853	1,853	1,797	37	19
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	1,492	1,788	1,788	1,734	36	18
Base Line Road e/o I-210 Ramps	2,103	2,536	2,536	2,460	51	25
Foothill Boulevard e/o Central Avenue	1,621	2,170	2,170	2,105	43	22
1st Street e/o Monte Vista Avenue	245	260	260	252	5	3
Arrow Highway e/o Claremont Boulevard/Mills Avenue	1,212	1,573	1,573	1,526	31	16
Base Line Road w/o Indian Hill Boulevard	2,206	1,918	2,206	2,140	44	22
Foothill Boulevard w/o Indian Hill Boulevard	1,294	1,201	1,294	1,255	26	13
Claremont Boulevard w/o Monte Vista/Padua Ave	716	649	716	695	14	7



Project Name: Claremont Mckenna Roberts Sports Bowl Analysis Scenario: Opening Year (2027) Without Project

Source	of Traffi	c Volumes.	KΩΔ

Segment	Ground Type	Distance from Roadway to	Sp	eed (mp	oh)	Peak	Hour Vo	olume	Peak Hour Noise Level (Leq(h)	Noise Leve
	турс	Receiver (feet)	Auto	MT	HT	Auto	MT	HT	dBA)	UDA CIVEE
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	Hard	30	35	35	30	1299	27	13	68.3	68.6
Mills Avenue between Base Line Road and Foothill Boulevard	Hard	30	40	40	35	747	15	8	67.4	67.7
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	Hard	30	40	40	35	1518	31	16	70.5	70.8
Indian Hill Boulevard between Foothill Boulevard and 6th Street	Hard	30	30	30	25	1176	24	12	66.3	66.6
College Avenue between Foothill Boulevard and 6th Street	Hard	30	30	30	25	459	9	5	62.2	62.5
Claremont Boulevard between Foothill Boulevard and 9th Street	Hard	30	40	40	35	1005	21	10	68.7	69.0
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1079	22	11	69.0	69.3
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	Hard	30	45	45	40	969	20	10	70.0	70.3
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	Hard	30	45	45	40	1215	25	13	71.0	71.3
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	Hard	30	40	40	35	1079	22	11	69.0	69.3
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	Hard	30	35	35	30	1312	27	14	68.3	68.6
College Avenue between 6th Street and 1st Street	Hard	30	30	30	25	510	11	5	62.7	63.0
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	Hard	30	30	30	25	1307	27	13	66.8	67.1
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	Hard	30	40	40	35	1127	23	12	69.2	69.5
Monte Vista/Padua Ave between Arrow Route and 1st Street	Hard	30	45	45	40	1329	27	14	71.4	71.7
Indian Hill Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1429	29	15	68.7	69.0
College Avenue between 1st Street and Arrow Highway	Hard	30	30	30	25	528	11	5	62.8	63.1
Claremont Boulevard between 1st Street and Arrow Highway	Hard	30	35	35	30	1109	23	11	67.6	67.9
Indian Hill Boulevard n/o Base Line Road	Hard	30	35	35	30	400	8	4	63.2	63.5
Claremont Boulevard n/o Foothill Boulevard	Hard	30	40	40	35	859	18	9	68.0	68.3
Mills Avenue n/o Base Line Road	Hard	30	40	40	35	630	13	6	66.7	67.0
•				40						
Monte Vista/Padua Ave n/o Base Line Road Central Avenue s/o Foothill Boulevard	Hard Hard	30 30	40 40	40	35 35	534 940	11 19	6 10	66.0	66.3
•	Hard	30	40 45	40 45	40	1397	29		68.4 71.6	68.7 71.9
Monte Vista Avenue s/o 1st Street Claremont Boulevard/Mills Avenue s/o Arrow Highway	Hard	30	35	35	30	849	18	14 9	66.4	66.7
· · · · · · · · · · · · · · · · · · ·	Hard	30	30	30	25		7	4	61.1	61.4
College Avenue s/o Arrow Highway Indian Hill Boulevard s/o Arrow Highway	Hard	30	35	35	30	353 1762	36	18	69.6	69.9
Base Line Road between Indian Hill Boulevard and Mills Avenue	Hard	30	45	45	40	1950	40	20	73.1	73.4
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	Hard	30	45	45	40	1724	36	18	72.5	73.4
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	Hard	30	45	45	40	2525	52	26	74.2	74.5
Foothill Boulevard between Indian Hill Boulevard and College Avenue	Hard	30	40	40	35	2009	41	21	71.7	74.5 72.0
Foothill Boulevard between College Avenue and Dartmouth Avenue	Hard	30	40	40	35	2197	41 45	23	71.7 72.1	72.0 72.4
e e e e e e e e e e e e e e e e e e e	Hard	30	40	40	35	2359	49	23	72.1 72.4	72. 4 72.7
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	Hard	30 30	40	40	35	2003	49	24	72.4 71.7	72.7 72.0
Foothill Boulevard between Mills Avenue and Claremont Boulevard										
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	Hard	30	40	40	35	1899	39	20	71.5	71.8
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	Hard	30	40	40	35	2051	42	21	71.8	72.1
6th Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	251	5	3	59.6	59.9
6th Street between College Avenue and Mills Avenue	Hard	30	30	30	25	440	9	5	62.0	62.3
6th Street between Mills Avenue and Claremont Boulevard	Hard	30	30	30	25	525	11	5	62.8	63.1
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave		30	30	30	25	706	15	7	64.1	64.4
1st Street between Indian Hill Boulevard and College Avenue	Hard	30	30	30	25	425	9	4	61.9	62.2
1st Street between College Avenue and Claremont Boulevard	Hard	30	30	30	25	361	7	4	61.2	61.5
1st Street between Claremont Boulevard and Monte Vista Avenue	Hard	30	35	35	30	13	0	0	48.2	48.5
Arrow Highway between Indian Hill Boulevard and College Avenue	Hard	30	35	35	30	1943	40	20	70.0	70.3
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1877	39	19	72.9	73.2
Base Line Road e/o I-210 Ramps	Hard	30	40	40	35	2616	54	27	72.9	73.2
Foothill Boulevard e/o Central Avenue	Hard	30	30	30	25	2339	48	24	69.3	69.6
1st Street e/o Monte Vista Avenue	Hard	30	40	40	35	265	5	3	62.9	63.2
Arrow Highway e/o Claremont Boulevard/Mills Avenue	Hard	30	45	45	40	1638	34	17	72.3	72.6
Base Line Road w/o Indian Hill Boulevard	Hard	30	40	40	35	2178	45	22	72.1	72.4
Foothill Boulevard w/o Indian Hill Boulevard	Hard	30	40	40	35	1329	27	14	69.9	70.2
Claremont Boulevard w/o Monte Vista/Padua Ave	Hard	30	40	40	35	719	15	7	67.3	67.6

Claremont Mckenna Roberts Sports Bowl Traffic Segment Volumes						
Roadway Segment	AM	PM	Max	Auto	MT	HT
Indian Hill Boulevard between Base Line Road and Foothill Boulevard	1,339	803	1,339	1,299	27	13
Mills Avenue between Base Line Road and Foothill Boulevard	770	564	770	747	15	8
Monte Vista/Padua Ave between Base Line Road and Claremont Boulevard	1,433	1,565	1,565	1,518	31	16
Indian Hill Boulevard between Foothill Boulevard and 6th Street	1,212	1,149	1,212	1,176	24	12
College Avenue between Foothill Boulevard and 6th Street	473	330	473	459	9	5
Claremont Boulevard between Foothill Boulevard and 9th Street	1,036	1,033	1,036	1,005	21	10
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,112	1,083	1,112	1,079	22	11
Monte Vista/Padua Ave between Claremont Boulevard and Foothill Boulevard	979	999	999	969	20	10
Monte Vista/Padua Ave between Foothill Boulevard and Arrow Route	1,019	1,253	1,253	1,215	25	13
Claremont Boulevard between 9th Street and 6th Street/Arrow Route	1,112	1,083	1,112	1,079	22	11
Indian Hill Boulevard between 6th Street and Harrison Avenue/5th Street	1,353	1,230	1,353	1,312	27	14
College Avenue between 6th Street and 1st Street	526	513	526	510	11	5
Indian Hill Boulevard between Harrison Avenue/5th Street and 1st Street	1,347	1,210	1,347	1,307	27	13
Claremont Boulevard between 6th Street/Arrow Route and 1st Street	1,162	1,138	1,162	1,127	23	12
Monte Vista/Padua Ave between Arrow Route and 1st Street	1,041	1,370	1,370	1,329	27	14
Indian Hill Boulevard between 1st Street and Arrow Highway	1,473	1,400	1,473	1,429	29	15
College Avenue between 1st Street and Arrow Highway	483	544	544	528	11	5
Claremont Boulevard between 1st Street and Arrow Highway	1,143	1,073	1,143	1,109	23	11
Indian Hill Boulevard n/o Base Line Road	412	322	412	400	8	4
Claremont Boulevard n/o Foothill Boulevard	886	815	886	859	18	9
Mills Avenue n/o Base Line Road	649	491	649	630	13	6
Monte Vista/Padua Ave n/o Base Line Road	437	551	551	534	11	6
Central Avenue s/o Foothill Boulevard	646	969	969	940	19	10
Monte Vista Avenue s/o 1st Street	1,124	1,440	1,440	1,397	29	14
Claremont Boulevard/Mills Avenue s/o Arrow Highway	817	875	875	849	18	9
College Avenue s/o Arrow Highway	364	323	364	353	7	4
Indian Hill Boulevard s/o Arrow Highway	1,790	1,817	1,817	1,762	36	18
Base Line Road between Indian Hill Boulevard and Mills Avenue	2,010	1,719	2,010	1,950	40	20
Base Line Road between Mills Avenue and Monte Vista/Padua Ave	1,777	1,645	1,777	1,724	36	18
Base Line Road between Monte Vista/Padua Ave and I-210 Ramps	2,418	2,603	2,603	2,525	52	26
Foothill Boulevard between Indian Hill Boulevard and College Avenue	1,974	2,071	2,071	2,009	41	21
Foothill Boulevard between College Avenue and Dartmouth Avenue	2,179	2,265	2,265	2,197	45	23
Foothill Boulevard between Dartmouth Avenue and Mills Avenue	2,172	2,432	2,432	2,359	49	24
Foothill Boulevard between Mills Avenue and Claremont Boulevard	1,861	2,065	2,065	2,003	41	21
Foothill Boulevard between Claremont Boulevard and Monte Vista/Padua Ave	1,543	1,958	1,958	1,899	39	20
Foothill Boulevard between Monte Vista/Padua Ave and Central Avenue	1,721	2,114	2,114	2,051	42	21
6th Street between Indian Hill Boulevard and College Avenue	252	259	259	251	5 9	3
6th Street between College Avenue and Mills Avenue	439	454	454	440		5
6th Street between Mills Avenue and Claremont Boulevard	399	541	541	525	11	5 7
6th Street/Arrow Route between Claremont Boulevard and Monte Vista/Padua Ave	582 341	728 438	728 438	706 425	15 9	4
1st Street between Indian Hill Boulevard and College Avenue					9 7	4
1st Street between College Avenue and Claremont Boulevard	366	372	372	361	0	0
1st Street between Claremont Boulevard and Monte Vista Avenue	1 650	13	13	13	40	20
Arrow Highway between Indian Hill Boulevard and College Avenue	1,659	2,003	2,003	1,943		20 19
Arrow Highway between College Avenue and Claremont Boulevard/Mills Avenue	1,609	1,935	1,935	1,877	39 54	19 27
Base Line Road e/o I-210 Ramps	2,240	2,697	2,697	2,616		
Foothill Boulevard e/o Central Avenue	1,827	2,411	2,411	2,339	48	24 3
1st Street e/o Monte Vista Avenue	258	273	273	265	5	
Arrow Highway e/o Claremont Boulevard/Mills Avenue	1,298	1,689	1,689	1,638	34	17 22
Base Line Road w/o Indian Hill Boulevard	2,245	1,951	2,245	2,178	45 27	22
Foothill Boulevard w/o Indian Hill Boulevard Claremont Boulevard w/o Monte Vista/Padua Ave	1,370 741	1,304 664	1,370 741	1,329 719	27 15	14 7
Ciaremont boulevaru w/o ivionite vista/radua Ave	741	004	/41	/19	13	,

Exhibit D
Operational
Noise
Modeling

Claremont Mckenna Campus Sport Bowl at Receiver R1 Weekday Practice

	Baseball Field Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	30										
	15	8	3	65	74.0	1925	17.9				
	15	8	3	65	74.0	1925	17.9				
Total	30	16	-	-	77.0	-	20.9				

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Softball Field Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	20										
	10	5	3	65	72.0	2225	14.6				
	10	5	3	65	72.0	2225	14.6				
Total	20	10	-	-	75.0	-	17.6				

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Football or Track and Field Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	100										
	50	25	3	65	79.0	2575	20.3				
	50	25	3	65	79.0	2575	20.3				
Total	100	50	-	-	82.0	-	23.3				

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Soccer/Rugby Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	40										
	20	10	3	65	75.0	1626	20.3				
	20	10	3	65	75.0	1626	20.3				
Total	40	20	=	-	78.0	-	23.3				

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Golf Practice Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	25										
	12	6	3	65	72.8	950	22.8				
	13	7	3	65	73.5	950	23.4				
Total	25	13	-	-	76.1	-	26.1				

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Weekday Practice										
Category	# of Individuals # of Individuals Speaking (estimated (half of estimated capacity) capacity)		Noise Level at Receptor (dBA)								
	215										
	215	96	30.1								
Total w/o Shielding	215	96	30.1								
Reduction provided by shielding											

Claremont Mckenna Campus Sport Bowl at Receiver R1 Weekday Gameday

	Baseball Spectators + Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	280										
	140	70	3	65	83.5	1925	27.3				
	140	70	3	65	83.5	1925	27.3				
Total	280	140	-	-	86.5	-	30.3				

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Softball Field Spectators + Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	270										
	135	68	3	65	83.3	2225	25.9				
	135	68	3	65	83.3	2225	25.9				
Total	270	136	-	-	86.3	-	28.9				

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Football or Track and Field Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	100										
	50	25	3	65	79.0	2575	20.3				
	50	25	3	65	79.0	2575	20.3				
Total	100	50	-	-	82.0	-	23.3				

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

Soccer/Rugby Participants												
	# of Individuals	# of Individuals Speaking		Reference Noise Level	Combined Noise Level	Distance to	Noise Level at					
Category	(estimated	(half of estimated	Reference Distance (ft) ¹		(dBA)	Receptor (ft)						
	capacity)	capacity)		(dBA) ¹	(dbA)	Receptor (It)	Receptor (dBA)					
Total Capacity	40											
	20	10	3	65	75.0	1626	20.3					
	20	10	3	65	75.0	1626	20.3					
Total	40	20	-	-	78.0	-	23.3					

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Golf Practice Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	25										
	12	6	3	65	72.8	950	22.8				
	13	7	3	65	73.5	950	23.4				
Total	25	13	-	-	76.1	-	26.1				

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

Weekday Gameday									
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)						
	715								
	715	346	34.3						
Total w/o Shielding	715	346	34.3						
Reduction provided by									
shielding									

Claremont Mckenna Campus Sport Bowl at Receiver R1 Weekend Gameday Fall

	Football or Track and Field Spectators + Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	2000										
	1000	500	3	65	92.0	2790	32.6				
	1000	500	3	65	92.0	2790	32.6				
Total	2000	1000	-	-	95.0	-	35.6				

Source

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

American souther of Adeloiogy vol. 7, p. 3 (1330)												
	Soccer/Rugby Spectators + Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	140											
	70	35	3	65	80.4	1626	25.8					
	70	35	3	65	80.4	1626	25.8					
Total	140	70	-	-	83.5	-	28.8					

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Weeke	nd Gameday Fall	
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)
	2140		
	2140	1070	36.4
Total w/o Shielding	2140	1070	36.4
Reduction provided by shielding			

Claremont Mckenna Campus Sport Bowl at Receiver R1 Weekday Gameday

	Baseball Spectators + Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	280										
	140	70	3	65	83.5	1925	27.3				
	140	70	3	65	83.5	1925	27.3				
Total	280	140	-	-	86.5	-	30.3				

Source:

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Softball Field Spectators + Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	ence Distance (ft) ¹ Reference Noise Level (dBA) ¹		Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	270										
	135	68	3	65	83.3	2225	25.9				
	135	68	3	65	83.3	2225	25.9				
Total	270	136	-	-	86.3	-	28.9				

Source:

Source:

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Soccer/Rugby Spectators + Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	140											
	70	35	3	65	80.4	1626	25.8					
	70	35	3	65	80.4	1626	25.8					
Total	140	70	-	-	83.5	-	28.8					

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Wee	kday Gameday								
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)							
	690									
	690	346	34.2							
Total w/o Shielding	690	346	34.2							
Reduction provided by shielding										

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

Claremont Mckenna Roberts Sports Bowl at R1 Speaker Noise Levels Weekday Gamerian Connection

Weekday Gameday Scenario								
Point Source	Reference Distance (ft)	Reference Noise Level (dBA) ²	Distance to Sensitive Receptor R1	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Noise Level at Receptor with Attenuation (dBA)	Combined Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational
Speaker 1 @ Baseball Field	5	100	1.930	48.3	5.0	43.3		
Speaker 2 @ Softball Field	5	100	2,250	46.9	5.0	41.9		
Total	5	100	-	50.7	5.0	45.7	46.0	66.8

Weekend Game in Fall

Point Source	Reference Distance (ft)	Reference Noise Level (dBA) ¹	Distance to Sensitive Receptor R1	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Noise Level at Receptor with Attenuation (dBA)	Combined Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational
Speaker 1 @ Western Football Bleacher	5	100	2,525	45.9	5.0	40.9		
Speaker 2 @ Western Football Bleacher	5	100	2,600	45.7	5.0	40.7		
Speaker 3 @ Eastern Football Bleacher	5	100	2,725	45.3	5.0	40.3		
Speaker 4 @ Eastern Football Bleacher	5	100	2,800	45.0	5.0	40.0		
Speaker 5 @ Soccer Field	5	100	1.630	49.7	5.0	44.7		
Total	5	100	-	53.7	5.0	48.7	49.0	66.9

Point Source	Reference Distance (ft)	Reference Noise Level (dBA) ²	Distance to Sensitive Receptor R1	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Noise Level at Receptor with Attenuation (dBA)	Combined Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational
Speaker 1 @ Baseball Field	5	100	1.930	48.3	5.0	43.3		
Speaker 2 @ Softball Field	5	100	2,250	46.9	5.0	41.9		
Speaker 3 @ Soccer Field	5	100	1,630	49.7	5.0	44.7		
Total	5	100	-	53.2	5.0	48.2	48.4	66.9

1 100 2 103.01 3.010299957

1 100 2 103.01 3.010299957 3 104.771 1,760912591 4 106.021 1,249387366 5 106.99 0,96910013

1 100 2 103.01 3.010299957 3 104.771 1.760912591

Claremont Mckenna Campus Sport Bowl at R2 Weekday Practice

	Baseball Field Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	30										
	15	8	3	65	74.0	640	27.4				
	15	8	3	65	74.0	640	27.4				
Total	30	16	-	-	77.0	-	30.5				

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Softball Field Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	20										
	10	5	3	65	72.0	1000	21.5				
	10	5	3	65	72.0	1000	21.5				
Total	20	10	-	-	75.0	-	24.5				

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Football or Track and Field Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	100										
	50	25	3	65	79.0	920	29.2				
	50	25	3	65	79.0	920	29.2				
Total	100	50	-	-	82.0	-	32.3				

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Soccer/Rugby Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	40										
	20	10	3	65	75.0	640	28.4				
	20	10	3	65	75.0	640	28.4				
Total	40	20	=	-	78.0	-	31.4				

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Golf Practice Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	25										
	12	6	3	65	72.8	370	31.0				
	13	7	3	65	73.5	370	31.6				
Total	25	13	-	-	76.1	-	34.3				

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Wee	ekday Practice	
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)
	215		
	215	96	38.6
Total w/o Shielding	215	96	38.6
Reduction provided by shielding			

Claremont Mckenna Campus Sport Bowl at R2 Weekday Gameday

	Baseball Spectators + Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	280										
	140	70	3	65	83.5	640	36.9				
	140	70	3	65	83.5	640	36.9				
Total	280	140	-	-	86.5	-	39.9				

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Softball Field Spectators + Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	270										
	135	68	3	65	83.3	1000	32.9				
	135	68	3	65	83.3	1000	32.9				
Total	270	136	-	-	86.3	-	35.9				

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Football or Track and Field Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	100										
	50	25	3	65	79.0	920	29.2				
	50	25	3	65	79.0	920	29.2				
Total	100	50	-	-	82.0	-	32.3				

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Soccer/Rugby Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	40										
	20	10	3	65	75.0	640	28.4				
	20	10	3	65	75.0	640	28.4				
Total	40	20	=	-	78.0	-	31.4				

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Golf Practice Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)				
Total Capacity	25										
	12	6	3	65	72.8	370	31.0				
	13	7	3	65	73.5	370	31.6				
Total	25	13	-	-	76.1	-	34.3				

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Weekday Gameday										
Category	# of Individuals (estimated capacity)	estimated (half of estimated (dBA)									
	715										
	715	346	42.9								
Total w/o Shielding	715	346	42.9								
Reduction provided by shielding											

Claremont Mckenna Campus Sport Bowl at R2 Weekend Gameday Fall

	Football or Track and Field Spectators + Participants												
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)						
Total Capacity	2000												
Females (Adult)	1000	500	3	65	92.0	920	42.3						
Males (Adult)	1000	500	3	65	92.0	920	42.3						
Total	2000	1000	-	-	95.0	-	45.3						

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	American souther of Audiology vol. 7, p. 5 (1556)												
	Soccer/Rugby Spectators + Participants												
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)						
Total Capacity	140												
Females (Adult)	70	35	3	65	80.4	640	33.9						
Males (Adult)	70	35	3	65	80.4	640	33.9						
Total	140	70	-	-	83.5	-	36.9						

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Weeke	nd Gameday Fall	
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)
	2140		
	2140	1070	45.9
Total w/o Shielding	2140	1070	45.9
Reduction provided by shielding			

Claremont Mckenna Campus Sport Bowl at R2 Weekday Gameday

	Baseball Spectators + Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	280											
	140	70	3	65	83.5	640	36.9					
	140	70	3	65	83.5	640	36.9					
Total	280	140	-	-	86.5	-	39.9					

Source:

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Softball Field Spectators + Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	rence Distance (ft) ¹ Reference Noise Level (dBA) ¹		Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	270											
	135	68	3	65	83.3	1000	32.9					
	135	68	3	65	83.3	1000	32.9					
Total	270	136	-	-	86.3	-	35.9					

Cource

Source

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Soccer/Rugby Spectators + Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	140											
	70	35	3	65	80.4	640	33.9					
	70	35	3	65	80.4	640	33.9					
Total	140	70	-	-	83.5	-	36.9					

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Wee	kday Gameday	
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)
	690		
	690	346	42.7
Total w/o Shielding	690	346	42.7
Reduction provided by shielding			

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

Claremont Mckenna Roberts Sports Bowl at R2 Speaker Noise Levels Weekday Gameday Scannic

Weekday Gameday Scenario								
Point Source	Reference Distance (ft)	Reference Noise Level (dBA) ²	Distance to Sensitive Receptor R2	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Noise Level at Receptor with Attenuation (dBA)	Combined Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational
Speaker 1 @ Baseball Field	5	100	550	59.2	5.0	54.2		
Speaker 2 @ Softball Field	5	100	950	54.4	5.0	49.4		
Total	5	100	•	60.4	5.0	55.4	55.7	65.0

Point Source	Reference Distance (ft)	Reference Noise Level (dBA) ¹	Distance to Sensitive Receptor R2	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Noise Level at Receptor with Attenuation (dBA)	Combined Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational
Speaker 1 @ Western Football Bleacher	5	100	925	54.7	5.0	49.7		
Speaker 2 @ Western Football Bleacher	5	100	1,000	54.0	5.0	49.0		
Speaker 3 @ Eastern Football Bleacher	5	100	1,375	51.2	5.0	46.2		
Speaker 4 @ Eastern Football Bleacher	5	100	1,450	50.8	5.0	45.8		
Speaker 5 @ Soccer Field	5	100	690	57.2	5.0	52.2		
Total	5	100	-	61.2	5.0	56.2	56.6	65.2

Point Source	Reference Distance (ft)	Reference Noise Level (dBA) ¹	Distance to Sensitive Receptor R2	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Noise Level at Receptor with Attenuation (dBA)	Combined Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational
Speaker 1 @ Baseball Field	5	100	550	59.2	5.0	54.2		
Speaker 2 @ Softball Field	5	100	950	54.4	5.0	49.4		
Speaker 3 @ Soccer Field	5	100	690	57.2	5.0	52.2		
Total	5	100	-	62.1	5.0	57.1	57.3	65.3
1 World Health Organization recommends a limit of	100 dill for outdoor o	oncerts and festivals. http	ps://www.ncbl.nlm.	nih.gov/pmc/articles/Pfv	ICS187664/			

1 100 2 103.01 3.01029957 3 104.771 1.760912591 4 106.021 1.249387366 5 106.99 0.96910013

1 100 2 103.01 3.010299957 3 104.771 1.760912591

Claremont Mckenna Campus Sport Bowl at R3 Weekday Practice

	Baseball Field Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	30											
	15	8	3	65	74.0	690	26.8					
	15	8	3	65	74.0	690	26.8					
Total	30	16	-	-	77.0	-	29.8					

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Softball Field Participants									
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)			
Total Capacity	20									
	10	5	3	65	72.0	460	28.3			
	10	5	3	65	72.0	460	28.3			
Total	20	10	-	-	75.0	-	31.3			

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

			Football or Track and Field	d Participants			
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)
Total Capacity	100						
	50	25	3	65	79.0	800	30.5
	50	25	3	65	79.0	800	30.5
Total	100	50	-	-	82.0	-	33.5

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Soccer/Rugby Participants								
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)		
Total Capacity	40								
	20	10	3	65	75.0	540	29.9		
	20	10	3	65	75.0	540	29.9		
Total	40	20	=	-	78.0	-	32.9		

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Golf Practice Participants								
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)		
Total Capacity	25								
	12	6	3	65	72.8	190	36.7		
	13	7	3	65	73.5	190	37.4		
Total	25	13	-	-	76.1	-	40.1		

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Wee	ekday Practice	
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)
	215		
	215	96	42.2
Total w/o Shielding	215	96	42.2
Reduction provided by shielding			

Claremont Mckenna Campus Sport Bowl at R3 Weekday Gameday

	Baseball Spectators + Participants									
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)			
Total Capacity	280									
	140	70	3	65	83.5	690	36.2			
	140	70	3	65	83.5	690	36.2			
Total	280	140	-	-	86.5	-	39.2			

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Softball Field Spectators + Participants									
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)			
Total Capacity	270									
	135	68	3	65	83.3	460	39.6			
	135	68	3	65	83.3	460	39.6			
Total	270	136	-	-	86.3	-	42.6			

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

			Football or Track and Field	d Participants			
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)
Total Capacity	100						
	50	25	3	65	79.0	800	30.5
	50	25	3	65	79.0	800	30.5
Total	100	50	-	-	82.0	-	33.5

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Soccer/Rugby Participants								
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)		
Total Capacity	40								
	20	10	3	65	75.0	540	29.9		
	20	10	3	65	75.0	540	29.9		
Total	40	20	=	-	78.0	-	32.9		

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Golf Practice Participants								
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)		
Total Capacity	25								
	12	6	3	65	72.8	190	36.7		
	13	7	3	65	73.5	190	37.4		
Total	25	13	-	-	76.1	-	40.1		

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Wee	kday Gameday	
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)
	715		
	715	346	46.1
Total w/o Shielding	715	346	46.1
Reduction provided by shielding			

Claremont Mckenna Campus Sport Bowl at R3 Weekend Gameday Fall

	Football or Track and Field Spectators + Participants									
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)			
Total Capacity	2000									
	1000	500	3	65	92.0	800	43.5			
	1000	500	3	65	92.0	800	43.5			
Total	2000	1000	-	-	95.0	-	46.5			

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	American Journal of Additionary vol. 7, p. 5 (2550)											
	Soccer/Rugby Spectators + Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	140											
	70	35	3	65	80.4	540	35.3					
	70	35	3	65	80.4	540	35.3					
Total	140	70	-	-	83.5	-	38.3					

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Weeke	nd Gameday Fall	
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)
	2140		
	2140	1070	47.1
Total w/o Shielding	2140	1070	47.1
Reduction provided by shielding			

Claremont Mckenna Campus Sport Bowl at R3 Weekday Gameday

	Baseball Spectators + Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	280											
Females (Adult)	140	70	3	65	83.5	690	36.2					
Males (Adult)	140	70	3	65	83.5	690	36.2					
Total	280	140	-	•	86.5	-	39.2					

Source:

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Softball Field Spectators + Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	270											
Females (Adult)	135	68	3	65	83.3	460	39.6					
Males (Adult)	135	68	3	65	83.3	460	39.6					
Total	270	136	-	-	86.3	-	42.6					

Source:

Source:

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Soccer/Rugby Spectators + Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	140											
Females (Adult)	70	35	3	65	80.4	540	35.3					
Males (Adult)	70	35	3	65	80.4	540	35.3					
Total	140	70	-	-	83.5	-	38.3					

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Wee	kday Gameday	
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)
	690		
	690	346	45.2
Total w/o Shielding	690	346	45.2
Reduction provided by shielding			

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

Claremont Mckenna Roberts Sports Bowl at R3 Speaker Noise Levels Weekday Gamerian Connection

Weekday Gameday Scenario								
Point Source	Reference Distance (ft)	Reference Noise Level (dBA) ²	Distance to Sensitive Receptor R3	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Noise Level at Receptor with Attenuation (dBA)	Combined Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational
Speaker 1 @ Baseball Field	5	100	700	57.1	5.0	52.1		
Speaker 2 @ Softball Field	5	100	475	60.4	5.0	55.4		
Total	5	100	-	62.1	5.0	57.1	57.4	70.8

teference stance (ft)	Reference Noise	Distance to			Noise Level at	Combined	
	Level (dBA) ¹	Sensitive Receptor R3	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Receptor with Attenuation (dBA)	Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational
5	100	1,250	52.0	5.0	47.0		
5	100	1,325	51.5	5.0	46.5		
5	100	800	55.9	5.0	50.9		
5	100	875	55.1	5.0	50.1		
5	100	575	58.8	5.0	53.8		
	100		62.5	5.0	57.5	57.9	70.4
	5 5 5 5	5 100 5 100 5 100 5 100	5 100 1,325 5 100 800 5 100 875 5 100 575	5 100 1,325 51.5 5 100 800 55.9 5 100 875 55.1 5 100 575 \$8.8	5 100 1,325 51.5 5.0 5 100 800 55.9 5.0 5 100 875 55.1 5.0 5 100 875 58.8 5.0	5 100 1,325 51.5 5.0 46.5 5 100 800 55.9 5.0 50.9 5 100 875 55.1 5.0 50.1 5 100 575 58.8 5.0 53.8	\$ 100 1,250 \$2.0 \$.0 47.0 \$ 100 1,325 \$15. \$5.0 \$47.0 \$ 5 100 \$80.0 \$53.9 \$5.0 \$50.9 \$ 5 100 \$875 \$51. \$5.0 \$51.1 \$ 5.0 \$51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 5.0 \$ 51.8 \$ 50.0 \$ 51.8

Point Source	Reference Distance (ft)	Reference Noise Level (dBA) ²	Distance to Sensitive Receptor R3	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Noise Level at Receptor with Attenuation (dBA)	Combined Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational			
Speaker 1 @ Baseball Field	5	100	700	57.1	5.0	52.1					
Speaker 2 @ Softball Field	5	100	475	60.4	5.0	55.4					
Speaker 3 @ Soccer Field	5	100	575	58.8	5.0	53.8					
Total	5	100	-	63.8	5.0	58.8	58.9	68.3			
1 World Health Organization recommends a limit of	World Health Organization recommends a limit of 100 dB for outdoor concerts and feetivals. https://www.ncb.nlm.nih.gov/pmc/srticles/PMCS1B7E64/										

1 100 2 103.01 3.010299957

1 100 2 103.01 3.010299957 3 104.771 1.760912591 4 106.021 1.249387366 5 106.99 0.96910013

1 100 2 103.01 3.010299957 3 104.771 1.760912591

Claremont Mckenna Campus Sport Bowl at R4 Weekday Practice

	Baseball Field Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	30											
Females (Adult)	15	8	3	65	74.0	960	23.9					
Males (Adult)	15	8	3	65	74.0	960	23.9					
Total	30	16	-	•	77.0	-	26.9					

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Softball Field Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	20											
Females (Adult)	10	5	3	65	72.0	1060	21.0					
Males (Adult)	10	5	3	65	72.0	1060	21.0					
Total	20	10	-	-	75.0	-	24.0					

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Football or Track and Field Participants											
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)					
Total Capacity	100											
Females (Adult)	50	25	3	65	79.0	640	32.4					
Males (Adult)	50	25	3	65	79.0	640	32.4					
Total	100	50	-	-	82.0	-	35.4					

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Soccer/Rugby Participants								
Category	# of Individuals (estimated capacity)	stimated (half of estimated Reference Distance (ft) (dBA) Receptor (ft) Rece					Noise Level at Receptor (dBA)		
Total Capacity	40								
Females (Adult)	20	10	3	65	75.0	1540	20.8		
Males (Adult)	20	10	3	65	75.0	1540	20.8		
Total	40	20	-	-	78.0	-	23.8		

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Golf Practice Participants							
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity) Reference Distance (ft) ¹ Reference Noise Level (dBA) ¹ Combined Noise Level Receptor (ft) Receptor (ft) Reference Noise Level (dBA) Combined Noise Level (dBA) Reference Noi					Noise Level at Receptor (dBA)	
Total Capacity	25							
Females (Adult)	12	6	3	65	72.8	470	28.9	
Males (Adult)	13	7	3	65	73.5	470	29.6	
Total	25	13	•	-	76.1	-	32.2	

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

Weekday Practice								
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)					
	215							
	215	96	37.9					
Total w/o Shielding	215	96	37.9					
Reduction provided by shielding								

Claremont Mckenna Campus Sport Bowl at R4 Weekday Gameday

	Baseball Spectators + Participants								
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	estimated Reference Distance (ft) ¹ Reference Noise Level Combined Noise Level Distance to 1 Receptor (ft) Recept						
Total Capacity	280								
Females (Adult)	140	70	3	65	83.5	960	33.3		
Males (Adult)	140	70	3	65	83.5	960	33.3		
Total	280	140	-	-	86.5	-	36.4		

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Softball Field Spectators + Participants								
Category	(estimated (half of estimated Poforonco Dictanco (ft) ¹						Noise Level at Receptor (dBA)		
Total Capacity	270								
Females (Adult)	135	68	3	65	83.3	1060	32.4		
Males (Adult)	135	68	3	65	83.3	1060	32.4		
Total	270	136	-	-	86.3	-	35.4		

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Football or Track and Field Participants								
Category	# of Individuals (estimated capacity)	(dRA) ¹ (dRA) Recentor (ft) Recentor							
Total Capacity	100								
Females (Adult)	50	25	3	65	79.0	640	32.4		
Males (Adult)	50	25	3	65	79.0	640	32.4		
Total	100	50	-	-	82.0	-	35.4		

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	Soccer/Rugby Participants								
Category	# of Individuals (estimated capacity)	stimated (half of estimated Reference Distance (ft) (dBA) Receptor (ft) Rece					Noise Level at Receptor (dBA)		
Total Capacity	40								
Females (Adult)	20	10	3	65	75.0	1540	20.8		
Males (Adult)	20	10	3	65	75.0	1540	20.8		
Total	40	20	-	-	78.0	-	23.8		

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

	Golf Practice Participants								
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity) Reference Distance (ft) ¹ Reference Noise Level (dBA) ¹ Combined Noise Level (dBA) Receptor					Noise Level at Receptor (dBA)		
Total Capacity	25								
Females (Adult)	12	6	3	65	72.8	470	28.9		
Males (Adult)	13	7	3	65	73.5	470	29.6		
Total	25	13	-	-	76.1	-	32.2		

Source:

1 American Journal of Audiology Vol. 7, p. 3 (1998)

Weekday Gameday								
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)					
	715							
	715	346	41.2					
Total w/o Shielding	715	346	41.2					
Reduction provided by shielding								

Claremont Mckenna Campus Sport Bowl at R4 Weekend Gameday Fall

	Football or Track and Field Spectators + Participants								
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)		
Total Capacity	2000								
Females (Adult)	1000	500	3	65	92.0	800	43.5		
Males (Adult)	1000	500	3	65	92.0	800	43.5		
Total	2000	1000	=	-	95.0	-	46.5		

Source

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

	American souther of Audiology vol. 7, p. 5 (1950)								
	Soccer/Rugby Spectators + Participants								
Category	# of Individuals (estimated capacity)	(dBA) Recentor (ft) Recentor (dl							
Total Capacity	140								
Females (Adult)	70	35	3	65	80.4	1800	24.9		
Males (Adult)	70	35	3	65	80.4	1800	24.9		
Total	140	70	-	-	83.5	-	27.9		

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

	Weekend Gameday Fall								
Category	# of Individuals Speaking (estimated capacity) # of Individuals Speaking (half of estimated capacity)		Noise Level at Receptor (dBA)						
	2140								
	2140	1070	46.5						
Total w/o Shielding	2140	1070	46.5						
Reduction provided by shielding									

Claremont Mckenna Campus Sport Bowl at R4 Weekday Gameday

Baseball Spectators + Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)			
Total Capacity	280									
Females (Adult)	140	70	3	65	83.5	690	36.2			
Males (Adult)	140	70	3	65	83.5	690	36.2			
Total	280	140	-	•	86.5	-	39.2			

Source:

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

Softball Field Spectators + Participants										
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Reference Distance (ft) ¹	Reference Noise Level (dBA) ¹	Combined Noise Level (dBA)	Distance to Receptor (ft)	Noise Level at Receptor (dBA)			
Total Capacity	270									
Females (Adult)	135	68	3	65	83.3	460	39.6			
Males (Adult)	135	68	3	65	83.3	460	39.6			
Total	270	136	-	-	86.3	-	42.6			

Cource

Source:

¹ American Journal of Audiology Vol. 7, p. 3 (1998)

Soccer/Rugby Spectators + Participants											
	# of Individuals	# of Individuals Speaking		Defense as Naise Level		Distance to	Noise Level at				
Category	(estimated	(half of estimated	Reference Distance (ft) ¹	Reference Noise Level	Combined Noise Level						
	capacity)	capacity)	, ,	(dBA) ¹	(dBA)	Receptor (ft)	Receptor (dBA)				
Total Capacity	140										
Females (Adult)	70	35	3	65	80.4	540	35.3				
Males (Adult)	70	35	3	65	80.4	540	35.3				
Total	140	70	-	-	83.5	-	38.3				

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

Weekday Gameday									
Category	# of Individuals (estimated capacity)	# of Individuals Speaking (half of estimated capacity)	Noise Level at Receptor (dBA)						
	690								
	690	346	45.2						
Total w/o Shielding	690	346	45.2						
Reduction provided by shielding									

 $^{^{1}\,}$ American Journal of Audiology Vol. 7, p. 3 (1998)

Claremont Mckenna Roberts Sports Bowl at R4 Speaker Noise Levels Weekday Gameday Scannic

Weekday Gameday Scenario								
Point Source	Reference Distance (ft)	Reference Noise Level (dBA) ¹	Distance to Sensitive Receptor R4	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Noise Level at Receptor with Attenuation (dBA)	Combined Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational
Speaker 1 @ Baseball Field	5	100	950	54.4	5.0	49.4		
Speaker 2 @ Softball Field	5	100	1,025	53.8	5.0	48.8		
Total	5	100	-	57.1	5.0	52.1	52.5	61.7

Point Source	Reference Distance (ft)	Reference Noise Level (dBA) ¹	Distance to Sensitive Receptor R4	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Noise Level at Receptor with Attenuation (dBA)	Combined Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational
Speaker 1 @ Western Football Bleacher	5	100	650	57.7	5.0	52.7		
Speaker 2 @ Western Football Bleacher	5	100	725	56.8	5.0	51.8		
Speaker 3 @ Eastern Football Bleacher	5	100	800	55.9	5.0	50.9		
Speaker 4 @ Eastern Football Bleacher	5	100	875	55.1	5.0	50.1		
Speaker 5 @ Soccer Field	5	100	1.750	49.1	5.0	44.1		
Total	5	100	-	62.7	5.0	57.7	58.0	62.2

Point Source	Reference Distance (ft)	Reference Noise Level (dBA) ²	Distance to Sensitive Receptor R4	Noise Level at Receptor (dBA)	Attenuation (dBA) ²	Noise Level at Receptor with Attenuation (dBA)	Combined Crowd and Speaker Noise Level at Receptor	Combined Ambient and Opperational		
Speaker 1 @ Baseball Field	5	100	950	54.4	5.0	49.4				
Speaker 2 @ Softball Field	5	100	1,025	53.8	5.0	48.8				
Speaker 3 @ Soccer Field	5	100	1,750	49.1	5.0	44.1				
Total	5	100		57.8	5.0	52.8	53.5	57.9		
	Wheeld World Promotestics assessment a first of 199 of the authors assessed and facilities between the order of the order									

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