

**Appendix H:  
Noise Modeling Data**

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## **H.1 - Noise Monitoring Data**

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Project Number: 2648.0008

Sheet 1 of 2

Project Name: Tassajara Parks Project

Test Personnel: P Ault

### Noise Measurement Survey

Site Number: 1 Date: 8/18/14 Time: From 1:25 To 1:40

Site Location: Northeast corner of Camino Tassajara and driveway to Tassajara Elementary  
approximately 500 feet from edge of Camino Tassajara, adjacent to project property line

Primary Noise Sources: Traffic on Camino Tassajara and on driveway to school

#### Measurement Results

	dBA
Leq	60.8
Lmax	69.9
Lmin	39.7
Lpeak	
L5	
L10	
L50	
L90	
SEL	

#### Observed Noise Sources/Events

Time	Noise Source/Event	dBA

Comments: Clear skies, slight wind from southwest

Equipment: Extech 407780

Calibration Offset: \_\_\_\_\_ dBA

Settings: A-Weighted  Other

Slow  Fast  Windscreen

#### Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	
	3	78		
Comments:				

Project Number: 2648.0008  
 Project Name: Tassajara Parks Project  
 Test Personnel: P Ault

Sheet 2 of 2

## Noise Measurement Survey

Site Number: 2 Date: 8/18/14 Time: From 1:45 To 2:00

Site Location: southern property line of fire district training site, approximately 50feet from edge of Camino Tassajara

Primary Noise Sources: Traffic on Camino Tassajara

### Measurement Results

	dBA
Leq	62.8
Lmax	77.9
Lmin	34.3
Lpeak	
L5	
L10	
L50	
L90	
SEL	

### Observed Noise Sources/Events

Time	Noise Source/Event	dBA

Comments: Clear skies, slight wind from southwest

Equipment: Extech 407780  
 Settings: A-Weighted  Other

Calibration Offset: \_\_\_\_\_ dBA  
 Slow  Fast  Windscreen

### Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	
	3	78		
Comments:				

Summary

Filename LxT\_Data.013  
 Serial Number 4228  
 Model SoundTrack LxT®  
 Firmware Version 2.206  
 Start 2014/08/26 9:58:21  
 Stop 2014/08/27 14:11:22  
 Duration 1 Day 04:13:01.1  
 Run Time 1 Day 04:12:58.0  
 Pause 0:00:03.1

Pre Calibration 2014/08/26 9:56:10  
 Post Calibration None  
 Calibration Deviation ---

Overall Settings

RMS Weighting A Weighting  
 Peak Weighting Z Weighting  
 Detector Slow  
 Preamp PRMLxT2B  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 145.1 dB

	A	C	Z
Under Range Peak	101.3	98.3	<b>103.3</b> dB
Under Range Limit	<b>37.6</b>	35.6	43.6 dB
Noise Floor	25.0	25.5	32.8 dB

Results

LASeq 64.7 dB  
 LASE 114.8 dB  
 EAS 33.633 mPa²h  
 EAS8 9.536 mPa²h  
 EAS40 47.679 mPa²h  
 LZpeak (max) 2014/08/26 16:14:03 109.9 dB  
 LASmax 2014/08/26 10:37:15 89.2 dB  
 LASmin 2014/08/27 2:35:02 **31.8** dB  
 SEA -99.9 dB

LAS > 85.0 dB (Exceedence Counts / Duration) 3 6.4 s  
 LAS > 115.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LZpeak > 135.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LZpeak > 137.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LZpeak > 140.0 dB (Exceedence Counts / Duration) 0 0.0 s

Community Noise	LNight			LEvening		LNight	
	LDay 07:00- 23:00-	Lden	LNight	LDay 07:00- 19:00-	LEvening	LNight	
	Ldn	23:00 07:00		19:00	23:00	07:00	
	67.8	65.7	60.2	68.3	66.1	63.6	60.2

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## H.2 - Federal Highway Administration Traffic Noise Model Data

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TABLE Existing-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - West of Blackhawk Drive  
NOTES: Tassajara Project - Existing

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16800      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	97.9	210.5	453.4

---

TABLE Existing-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - Blackhawk Drive to Tassajara Hills  
Elem School driveway  
NOTES: Tassajara Project - Existing

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13800      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	85.9	184.7	397.7

---

TABLE Existing-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - Tassajara Hills Elem School driveway  
to Project driveway  
NOTES: Tassajara Project - Existing

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13500      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	84.7	182.0	391.9

---

TABLE Existing-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - Project driveway to Ballfields driveway  
NOTES: Tassajara Project - Existing

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13500      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	84.7	182.0	391.9

---

TABLE Existing-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - east of Ballfields driveway  
NOTES: Tassajara Project - Existing

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12000      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	78.3	168.3	362.3

---

TABLE Existing-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - west of Finley Road  
NOTES: Tassajara Project - Existing

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12000      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	78.3	168.3	362.3

---



TABLE Existing-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - east of Finley Road  
NOTES: Tassajara Project - Existing

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 11800      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	77.4	166.4	358.3

---

TABLE Existing-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Finley Road - Camino Tassajara to Project driveway  
NOTES: Tassajara Project - Existing

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 780      SPEED (MPH): 30      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	0.0

---

TABLE Existing + Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - West of Blackhawk Drive  
NOTES: Tassajara Project - Existing + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18000      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	102.5	220.4	474.7

---

TABLE Existing + Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - Blackhawk Drive to Tassajara Hills  
Elem School driveway  
NOTES: Tassajara Project - Existing + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15100      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	91.2	196.1	422.3

---

TABLE Existing + Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - Tassajara Hills Elem School driveway  
to Project driveway  
NOTES: Tassajara Project - Existing + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14800      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	90.0	193.5	416.6

---

TABLE Existing + Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Camino Tassajara - Project driveway to Ballfields driveway

NOTES: Tassajara Project - Existing + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14600      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	89.2	191.8	412.9

TABLE Existing + Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - east of Ballfields driveway  
NOTES: Tassajara Project - Existing + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12400      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.35

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	80.0	172.0	370.3

---

TABLE Existing + Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - west of Finley Road  
NOTES: Tassajara Project - Existing + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12400      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.35

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	80.0	172.0	370.3

---



TABLE Existing + Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - east of Finley Road  
NOTES: Tassajara Project - Existing + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12100      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	78.7	169.2	364.3

---

TABLE Existing + Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Finley Road - Camino Tassajara to Project driveway  
NOTES: Tassajara Project - Existing + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 860      SPEED (MPH): 30      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	0.0

---

TABLE Near-Term No Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - West of Blackhawk Drive  
NOTES: Tassajara Project - Near-Term No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19700      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
50.8	108.8	234.1	504.0

---

TABLE Near-Term No Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - Blackhawk Drive to Tassajara Hills  
Elem School driveway  
NOTES: Tassajara Project - Near-Term No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16000      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	94.8	203.8	438.9

---

TABLE Near-Term No Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Camino Tassajara - Tassajara Hills Elem School driveway  
to Project driveway

NOTES: Tassajara Project - Near-Term No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14900      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	90.4	194.4	418.5

TABLE Near-Term No Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Camino Tassajara - Project driveway to Ballfields driveway

NOTES: Tassajara Project - Near-Term No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14900      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	90.4	194.4	418.5

TABLE Near-Term No Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - east of Ballfields driveway  
NOTES: Tassajara Project - Near-Term No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13300      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	83.8	180.2	388.0

---

TABLE Near-Term No Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - west of Finley Road  
NOTES: Tassajara Project - Near-Term No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13300      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	83.8	180.2	388.0

---



TABLE Near-Term No Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - east of Finley Road  
NOTES: Tassajara Project - Near-Term No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13100      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	83.0	178.4	384.1

---

TABLE Near-Term No Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Finley Road - Camino Tassajara to Project driveway  
NOTES: Tassajara Project - Near-Term No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 780      SPEED (MPH): 30      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	0.0

---

TABLE Near-Term + Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - West of Blackhawk Drive  
NOTES: Tassajara Project - Near-Term + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20900      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
52.8	113.2	243.5	524.3

---

TABLE Near-Term + Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - Blackhawk Drive to Tassajara Hills  
Elem School driveway  
NOTES: Tassajara Project - Near-Term + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17200      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	99.4	213.9	460.5

---

TABLE Near-Term + Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Camino Tassajara - Tassajara Hills Elem School driveway  
to Project driveway

NOTES: Tassajara Project - Near-Term + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16200      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ---	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	95.6	205.5	442.5

TABLE Near-Term + Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Camino Tassajara - Project driveway to Ballfields driveway

NOTES: Tassajara Project - Near-Term + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16100      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ---	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	95.2	204.7	440.7

TABLE Near-Term + Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - east of Ballfields driveway  
NOTES: Tassajara Project - Near-Term + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13700      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	85.5	183.8	395.7

---

TABLE Near-Term + Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - west of Finley Road  
NOTES: Tassajara Project - Near-Term + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13700      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	85.5	183.8	395.7

---



TABLE Near-Term + Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - east of Finley Road  
NOTES: Tassajara Project - Near-Term + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13500      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	
DAY	NIGHT
---	-----
AUTOS	
88.08	9.34
M-TRUCKS	
1.65	0.19
H-TRUCKS	
0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	84.7	182.0	391.9

---

TABLE Near-Term + Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Finley Road - Camino Tassajara to Project driveway  
NOTES: Tassajara Project - Near-Term + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 860      SPEED (MPH): 30      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	0.0

---

TABLE Cumulative No Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - West of Blackhawk Drive  
NOTES: Tassajara Project - Cumulative No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22600      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	
DAY	NIGHT
---	-----
AUTOS	
88.08	9.34
M-TRUCKS	
1.65	0.19
H-TRUCKS	
0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
55.6	119.2	256.5	552.4

---

TABLE Cumulative No Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - Blackhawk Drive to Tassajara Hills  
Elem School driveway  
NOTES: Tassajara Project - Cumulative No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17200      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	99.4	213.9	460.5

---

TABLE Cumulative No Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Camino Tassajara - Tassajara Hills Elem School driveway  
to Project driveway

NOTES: Tassajara Project - Cumulative No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16100      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	95.2	204.7	440.7

TABLE Cumulative No Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Camino Tassajara - Project driveway to Ballfields driveway

NOTES: Tassajara Project - Cumulative No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16100      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	95.2	204.7	440.7

TABLE Cumulative No Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Camino Tassajara - east of Ballfields driveway

NOTES: Tassajara Project - Cumulative No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14500      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	88.8	190.9	411.0

TABLE Cumulative No Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - west of Finley Road  
NOTES: Tassajara Project - Cumulative No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14500      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	88.8	190.9	411.0

---



TABLE Cumulative No Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - east of Finley Road  
NOTES: Tassajara Project - Cumulative No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14300      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	88.0	189.1	407.2

---

TABLE Cumulative No Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Finley Road - Camino Tassajara to Project driveway

NOTES: Tassajara Project - Cumulative No Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 940      SPEED (MPH): 30      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	----	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	0.0

TABLE Cumulative + Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - West of Blackhawk Drive  
NOTES: Tassajara Project - Cumulative + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23900      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
57.7	123.7	266.2	573.3

---

TABLE Cumulative + Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Camino Tassajara - Blackhawk Drive to Tassajara Hills  
Elem School driveway

NOTES: Tassajara Project - Cumulative + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18400      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	104.0	223.7	481.7

TABLE Cumulative + Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Camino Tassajara - Tassajara Hills Elem School driveway  
to Project driveway

NOTES: Tassajara Project - Cumulative + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17400      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	100.2	215.5	464.1

TABLE Cumulative + Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015

ROADWAY SEGMENT: Camino Tassajara - Project driveway to Ballfields driveway

NOTES: Tassajara Project - Cumulative + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17300      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	99.8	214.7	462.3

TABLE Cumulative + Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - east of Ballfields driveway  
NOTES: Tassajara Project - Cumulative + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14900      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	90.4	194.4	418.5

---

TABLE Cumulative + Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - west of Finley Road  
NOTES: Tassajara Project - Cumulative + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15900      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	94.4	203.0	437.0

---



TABLE Cumulative + Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Camino Tassajara - east of Finley Road  
NOTES: Tassajara Project - Cumulative + Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14700      SPEED (MPH): 45      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	89.6	192.6	414.8

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TABLE Cumulative + Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 05/22/2015  
ROADWAY SEGMENT: Finley Road - Camino Tassajara to Project driveway  
NOTES: Tassajara Project - Cumulative + Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1100      SPEED (MPH): 30      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6      SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 52.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	0.0

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## **H.3 - Roadway Construction Noise Model Data**

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Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 5/26/2015  
 Case Description: Tassajara Parks - Paving Phase

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
R1 - school west of site	Commercial	60	60	45

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50	77.2	77.2	110	0
Roller	No	20	80	80	110	0
Dump Truck	No	40	76.5	76.5	130	0
Paver	No	50	77.2	77.2	130	0
Roller	No	20	80	80	150	0
Dump Truck	No	40	76.5	76.5	150	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)					
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	
Paver	70.4	67.4	N/A	N/A	N/A	N/A	N/A	N/A	
Roller	73.2	66.2	N/A	N/A	N/A	N/A	N/A	N/A	
Dump Truck	68.2	64.2	N/A	N/A	N/A	N/A	N/A	N/A	
Paver	68.9	65.9	N/A	N/A	N/A	N/A	N/A	N/A	
Roller	70.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	
Dump Truck	66.9	62.9	N/A	N/A	N/A	N/A	N/A	N/A	
<b>Total</b>	<b>73.2</b>	<b>73.1</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
R2 - residence west of	Residential	60	60	45

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50	77.2	77.2	465	0
Roller	No	20	80	80	465	0
Dump Truck	No	40	76.5	76.5	485	0
Paver	No	50	77.2	77.2	485	0

Roller	No	20	80	505	0
Dump Truck	No	40	76.5	505	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)					
	*Lmax	Leq	Day		Evening		Night		
			Lmax	Leq	Lmax	Leq	Lmax	Leq	
Paver	62.3	58.3	N/A	N/A	N/A	N/A	N/A	N/A	
Roller	64.6	60.7	N/A	N/A	N/A	N/A	N/A	N/A	
Dump Truck	59.4	55.4	N/A	N/A	N/A	N/A	N/A	N/A	
Paver	57.8	53.8	N/A	N/A	N/A	N/A	N/A	N/A	
Roller	60.6	56.6	N/A	N/A	N/A	N/A	N/A	N/A	
Dump Truck	64.9	60.9	N/A	N/A	N/A	N/A	N/A	N/A	
Total	64.9	66.2	N/A	N/A	N/A	N/A	N/A	N/A	

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R3 - firestation south	Commercial	60	60	45

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
			Paver	No	50	77.2
Roller	No	20	80	165	0	
Dump Truck	No	40	76.5	185	0	
Paver	No	50	77.2	185	0	
Roller	No	20	80	205	0	
Dump Truck	No	40	76.5	205	0	

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)					
	*Lmax	Leq	Day		Evening		Night		
			Lmax	Leq	Lmax	Leq	Lmax	Leq	
Paver	71.3	67.3	N/A	N/A	N/A	N/A	N/A	N/A	
Roller	73.6	69.7	N/A	N/A	N/A	N/A	N/A	N/A	
Dump Truck	67.7	63.8	N/A	N/A	N/A	N/A	N/A	N/A	
Paver	66.2	62.2	N/A	N/A	N/A	N/A	N/A	N/A	
Roller	68.5	64.5	N/A	N/A	N/A	N/A	N/A	N/A	
Dump Truck	72.7	68.8	N/A	N/A	N/A	N/A	N/A	N/A	
Total	73.6	74.6	N/A	N/A	N/A	N/A	N/A	N/A	

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Baselines (dBA)





Paver		56.4	52.4	N/A	N/A	N/A	N/A	N/A	N/A
Roller		58.7	54.7	N/A	N/A	N/A	N/A	N/A	N/A
Dump Truck		53.6	49.6	N/A	N/A	N/A	N/A	N/A	N/A
Paver		52.1	48.1	N/A	N/A	N/A	N/A	N/A	N/A
Roller		55	51.1	N/A	N/A	N/A	N/A	N/A	N/A
Dump Truck		59.3	55.4	N/A	N/A	N/A	N/A	N/A	N/A
Total		59.3	60.4	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R6 - barn on site	Commercial	60	60	45

		Equipment				
		Spec	Actual	Receptor	Estimated	
		Impact	Lmax	Distance	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Roller	No	20		80	15	10
Dump Truck	No	40		76.5	35	10
Roller	No	20		80	55	10
Dump Truck	No	40		76.5	55	10

		Results							
		Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night			
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Roller		80.5	73.5	N/A	N/A	N/A	N/A	N/A	N/A
Dump Truck		69.5	65.6	N/A	N/A	N/A	N/A	N/A	N/A
Roller		69.2	62.2	N/A	N/A	N/A	N/A	N/A	N/A
Dump Truck		65.6	61.6	N/A	N/A	N/A	N/A	N/A	N/A
Total		80.5	74.6	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R7 - museum east of s	Commercial	60	60	45

		Equipment				
		Spec	Actual	Receptor	Estimated	
		Impact	Lmax	Distance	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Roller	No	20		80	125	0
Dump Truck	No	40		76.5	145	0
Roller	No	20		80	165	0
Dump Truck	No	40		76.5	165	0

Equipment	Calculated (dBA)		Results					
	*Lmax	Leq	Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq
Roller	72	65.1	N/A	N/A	N/A	N/A	N/A	N/A
Dump Truck	67.2	63.2	N/A	N/A	N/A	N/A	N/A	N/A
Roller	69.6	62.6	N/A	N/A	N/A	N/A	N/A	N/A
Dump Truck	66.1	62.1	N/A	N/A	N/A	N/A	N/A	N/A
Total	72	69.4	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

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