Appendix I

Noise Calculations

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 north of SR 58

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 2680 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 19,750 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 174 vehicles
Total Cumulative Growth Volume (ADT): 6,320 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.5%
Medium Truck	1.8%	0.5%	1.8%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 north of SR 58

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 2680 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	58.4 dBA	210	451	973	2095	4514
Existing + Project	58.4 dBA	211	454	978	2107	4539
Future with Ambient Growth	58.4 dBA	210	451	973	2095	4514
Future with Ambient Growth and Project	58.4 dBA	211	454	978	2107	4539
Future with Ambient Growth and Cumulative Projects	59.6 dBA	252	543	1170	2521	5432
Future with Ambient, Cumulative, and Project Growth	59.6 dBA	253	545	1175	2532	5455

Change in Noise Levels
Due to Project 0.0 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 1.2 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 2680 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	59.0 dBA	228	492	1059	2282	4917
Existing + Project	59.0 dBA	230	494	1065	2295	4945
Future with Ambient Growth	59.0 dBA	228	492	1059	2282	4917
Future with Ambient Growth and Project	59.0 dBA	230	494	1065	2295	4945
Future with Ambient Growth and Cumulative Projects	60.2 dBA	275	592	1275	2746	5917
Future with Ambient, Cumulative, and Project Growth	60.2 dBA	276	594	1280	2758	5942

Change in Noise Levels
Due to Project 0.0 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 1.2 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 south of SR 58

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 200 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 22,060 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 554 vehicles
Total Cumulative Growth Volume (ADT): 7,050 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.5%
Medium Truck	1.8%	0.5%	1.8%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 south of SR 58

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 200 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	70.1 dBA	95	205	441	950	2046
Existing + Project	70.3 dBA	96	208	448	965	2078
Future with Ambient Growth	70.1 dBA	95	205	441	950	2046
Future with Ambient Growth and Project	70.3 dBA	96	208	448	965	2078
Future with Ambient Growth and Cumulative Projects	71.4 dBA	114	246	530	1142	2461
Future with Ambient, Cumulative, and Project Growth	71.4 dBA	116	249	537	1156	2491

Change in Noise Levels
Due to Project 0.1 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 1.3 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 200 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	70.7 dBA	103	223	480	1034	2229
Existing + Project	70.8 dBA	105	226	488	1051	2264
Future with Ambient Growth	70.7 dBA	103	223	480	1034	2229
Future with Ambient Growth and Project	70.8 dBA	105	226	488	1051	2264
Future with Ambient Growth and Cumulative Projects	71.9 dBA	124	268	578	1244	2681
Future with Ambient, Cumulative, and Project Growth	72.0 dBA	126	271	585	1259	2713

Change in Noise Levels
Due to Project 0.1 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 1.3 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real north of Estrada Avenue

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO):	TNM	
Distance to Receptor:	40	feet
Site Condition (Hard or Soft):	hard	
Upgrade longer than 1 mile:	0	%
Existing Total Traffic Volume (ADT):	4,300	vehicles
Ambient Growth Factor:	0.0%	
Future Year :	2007	
Total Project Volume (ADT):	288	vehicles
Total Cumulative Growth Volume (ADT):	1,370	vehicles
Source of Traffic Data: Fehr & Peers 2006		

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.6%
Medium Truck	1.8%	0.5%	1.7%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	55	55	55
Medium Truck	55	55	55
Heavy Truck	55	55	55

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	55	55	55
Medium Truck	55	55	55
Heavy Truck	55	55	55

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real north of Estrada Avenue

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 40 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	67.8 dBA	#N/A	#N/A	62	133	287
Existing + Project	68.1 dBA	#N/A	26	64	139	298
Future with Ambient Growth	67.8 dBA	#N/A	#N/A	62	133	287
Future with Ambient Growth and Project	68.1 dBA	#N/A	26	64	139	298
Future with Ambient Growth and Cumulative Projects	69.0 dBA	#N/A	32	74	160	344
Future with Ambient, Cumulative, and Project Growth	69.2 dBA	#N/A	33	77	165	355

Change in Noise Levels	
Due to Project	0.3 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	1.2 dBA
Due to All Future Growth	1.4 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 40 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	68.4 dBA	#N/A	28	67	145	312
Existing + Project	68.6 dBA	#N/A	29	70	151	325
Future with Ambient Growth	68.4 dBA	#N/A	28	67	145	312
Future with Ambient Growth and Project	68.6 dBA	#N/A	29	70	151	325
Future with Ambient Growth and Cumulative Projects	69.6 dBA	#N/A	36	81	174	375
Future with Ambient, Cumulative, and Project Growth	69.8 dBA	#N/A	38	83	179	387

Change in Noise Levels	
Due to Project	0.3 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	1.2 dBA
Due to All Future Growth	1.4 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: West Pozo Road between J St. and West Driveway

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 30 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 3,000 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 1,130 vehicles
Total Cumulative Growth Volume (ADT): 690 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.9%
Medium Truck	1.8%	0.5%	1.5%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: West Pozo Road between J St. and West Driveway

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	64.9 dBA	#N/A	#N/A	29	64	137
Existing + Project	66.2 dBA	#N/A	#N/A	40	78	168
Future with Ambient Growth	64.9 dBA	#N/A	#N/A	29	64	137
Future with Ambient Growth and Project	66.2 dBA	#N/A	#N/A	40	78	168
Future with Ambient Growth and Cumulative Projects	65.8 dBA	#N/A	#N/A	36	73	157
Future with Ambient, Cumulative, and Project Growth	66.9 dBA	#N/A	#N/A	46	86	186

Change in Noise Levels
Due to Project 1.3 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 0.9 dBA
Due to All Future Growth 2.0 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	65.4 dBA	#N/A	#N/A	33	69	149
Existing + Project	66.8 dBA	#N/A	#N/A	45	85	182
Future with Ambient Growth	65.4 dBA	#N/A	#N/A	33	69	149
Future with Ambient Growth and Project	66.8 dBA	#N/A	#N/A	45	85	182
Future with Ambient Growth and Cumulative Projects	66.3 dBA	#N/A	#N/A	41	79	171
Future with Ambient, Cumulative, and Project Growth	67.4 dBA	#N/A	#N/A	44	94	202

Change in Noise Levels
Due to Project 1.3 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 0.9 dBA
Due to All Future Growth 2.0 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: West Pozo Road southeast of SR 58

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 1500 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 1,000 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 12 vehicles
Total Cumulative Growth Volume (ADT): 320 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.5%
Medium Truck	1.8%	0.5%	1.8%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: West Pozo Road southeast of SR 58

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 1500 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	43.1 dBA	#N/A	#N/A	#N/A	31	243
Existing + Project	43.2 dBA	#N/A	#N/A	#N/A	31	245
Future with Ambient Growth	43.1 dBA	#N/A	#N/A	#N/A	31	243
Future with Ambient Growth and Project	43.2 dBA	#N/A	#N/A	#N/A	31	245
Future with Ambient Growth and Cumulative Projects	44.4 dBA	#N/A	#N/A	#N/A	41	293
Future with Ambient, Cumulative, and Project Growth	44.4 dBA	#N/A	#N/A	#N/A	41	294

Change in Noise Levels
Due to Project 0.0 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 1.2 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 1500 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	43.7 dBA	#N/A	#N/A	#N/A	35	264
Existing + Project	43.7 dBA	#N/A	#N/A	#N/A	35	266
Future with Ambient Growth	43.7 dBA	#N/A	#N/A	#N/A	35	264
Future with Ambient Growth and Project	43.7 dBA	#N/A	#N/A	#N/A	35	266
Future with Ambient Growth and Cumulative Projects	44.9 dBA	#N/A	#N/A	#N/A	46	318
Future with Ambient, Cumulative, and Project Growth	44.9 dBA	#N/A	#N/A	#N/A	47	320

Change in Noise Levels
Due to Project 0.0 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 1.2 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: SR 58 northeast of West Pozo Road

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 100 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 1,900 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 12 vehicles
Total Cumulative Growth Volume (ADT): 610 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.5%
Medium Truck	1.8%	0.5%	1.8%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: SR 58 northeast of West Pozo Road

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 100 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	57.7 dBA	#N/A	#N/A	#N/A	70	151
Existing + Project	57.7 dBA	#N/A	#N/A	#N/A	70	152
Future with Ambient Growth	57.7 dBA	#N/A	#N/A	#N/A	70	151
Future with Ambient Growth and Project	57.7 dBA	#N/A	#N/A	#N/A	70	152
Future with Ambient Growth and Cumulative Projects	58.9 dBA	#N/A	#N/A	#N/A	85	182
Future with Ambient, Cumulative, and Project Growth	58.9 dBA	#N/A	#N/A	#N/A	85	183

Change in Noise Levels
Due to Project 0.0 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 1.2 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 100 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	58.2 dBA	#N/A	#N/A	#N/A	76	164
Existing + Project	58.3 dBA	#N/A	#N/A	#N/A	77	165
Future with Ambient Growth	58.2 dBA	#N/A	#N/A	#N/A	76	164
Future with Ambient Growth and Project	58.3 dBA	#N/A	#N/A	#N/A	77	165
Future with Ambient Growth and Cumulative Projects	59.4 dBA	#N/A	#N/A	28	92	198
Future with Ambient, Cumulative, and Project Growth	59.5 dBA	#N/A	#N/A	28	92	198

Change in Noise Levels
Due to Project 0.0 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 1.2 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real between Wilhelmina Avenue and Maud Avenue

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO):	TNM	
Distance to Receptor:	30	feet
Site Condition (Hard or Soft):	hard	
Upgrade longer than 1 mile:	0	%
Existing Total Traffic Volume (ADT):	5,490	vehicles
Ambient Growth Factor:	0.0%	
Future Year :	2007	
Total Project Volume (ADT):	728	vehicles
Total Cumulative Growth Volume (ADT):	1,760	vehicles
Source of Traffic Data: Fehr & Peers 2006		

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.6%
Medium Truck	1.8%	0.5%	1.7%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real between Wilhelmina Avenue and Maud Avenue

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	67.5 dBA	#N/A	#N/A	44	95	205
Existing + Project	68.0 dBA	#N/A	#N/A	48	103	222
Future with Ambient Growth	67.5 dBA	#N/A	#N/A	44	95	205
Future with Ambient Growth and Project	68.0 dBA	#N/A	#N/A	48	103	222
Future with Ambient Growth and Cumulative Projects	68.7 dBA	#N/A	#N/A	53	115	247
Future with Ambient, Cumulative, and Project Growth	69.1 dBA	#N/A	#N/A	56	122	262

Change in Noise Levels	
Due to Project	0.5 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	1.2 dBA
Due to All Future Growth	1.6 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	68.1 dBA	#N/A	#N/A	48	104	223
Existing + Project	68.6 dBA	#N/A	#N/A	52	112	241
Future with Ambient Growth	68.1 dBA	#N/A	#N/A	48	104	223
Future with Ambient Growth and Project	68.6 dBA	#N/A	#N/A	52	112	241
Future with Ambient Growth and Cumulative Projects	69.3 dBA	#N/A	25	58	125	268
Future with Ambient, Cumulative, and Project Growth	69.7 dBA	#N/A	28	61	132	285

Change in Noise Levels	
Due to Project	0.5 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	1.2 dBA
Due to All Future Growth	1.6 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real between Pinal Avenue and Estrada Avenue

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO):	TNM	
Distance to Receptor:	30	feet
Site Condition (Hard or Soft):	hard	
Upgrade longer than 1 mile:	0	%
Existing Total Traffic Volume (ADT):	5,300	vehicles
Ambient Growth Factor:	0.0%	
Future Year :	2007	
Total Project Volume (ADT):	820	vehicles
Total Cumulative Growth Volume (ADT):	1,700	vehicles
Source of Traffic Data: Fehr & Peers 2006		

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.7%
Medium Truck	1.8%	0.5%	1.7%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	35	35	35
Medium Truck	35	35	35
Heavy Truck	35	35	35

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	35	35	35
Medium Truck	35	35	35
Heavy Truck	35	35	35

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real between Pinal Avenue and Estrada Avenue

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	64.3 dBA	#N/A	#N/A	25	58	125
Existing + Project	64.9 dBA	#N/A	#N/A	29	63	136
Future with Ambient Growth	64.3 dBA	#N/A	#N/A	25	58	125
Future with Ambient Growth and Project	64.9 dBA	#N/A	#N/A	29	63	136
Future with Ambient Growth and Cumulative Projects	65.5 dBA	#N/A	#N/A	34	70	150
Future with Ambient, Cumulative, and Project Growth	65.9 dBA	#N/A	#N/A	37	74	160

Change in Noise Levels	
Due to Project	0.6 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	1.2 dBA
Due to All Future Growth	1.6 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	64.8 dBA	#N/A	#N/A	29	63	135
Existing + Project	65.4 dBA	#N/A	#N/A	33	68	148
Future with Ambient Growth	64.8 dBA	#N/A	#N/A	29	63	135
Future with Ambient Growth and Project	65.4 dBA	#N/A	#N/A	33	68	148
Future with Ambient Growth and Cumulative Projects	66.0 dBA	#N/A	#N/A	38	75	162
Future with Ambient, Cumulative, and Project Growth	66.4 dBA	#N/A	#N/A	42	81	174

Change in Noise Levels	
Due to Project	0.6 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	1.2 dBA
Due to All Future Growth	1.6 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: Estrada Avenue south of El Camino Real

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 30 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 3,900 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 1,108 vehicles
Total Cumulative Growth Volume (ADT): 1,250 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.8%
Medium Truck	1.8%	0.5%	1.6%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	35	35	35
Medium Truck	35	35	35
Heavy Truck	35	35	35

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	35	35	35
Medium Truck	35	35	35
Heavy Truck	35	35	35

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: Estrada Avenue south of El Camino Real

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	63.0 dBA	#N/A	#N/A	#N/A	47	102
Existing + Project	63.9 dBA	#N/A	#N/A	#N/A	55	119
Future with Ambient Growth	63.0 dBA	#N/A	#N/A	#N/A	47	102
Future with Ambient Growth and Project	63.9 dBA	#N/A	#N/A	#N/A	55	119
Future with Ambient Growth and Cumulative Projects	64.1 dBA	#N/A	#N/A	#N/A	57	122
Future with Ambient, Cumulative, and Project Growth	64.9 dBA	#N/A	#N/A	29	64	138

Change in Noise Levels
Due to Project 1.0 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 2.0 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	63.5 dBA	#N/A	#N/A	#N/A	51	110
Existing + Project	64.5 dBA	#N/A	#N/A	27	60	128
Future with Ambient Growth	63.5 dBA	#N/A	#N/A	#N/A	51	110
Future with Ambient Growth and Project	64.5 dBA	#N/A	#N/A	27	60	128
Future with Ambient Growth and Cumulative Projects	64.7 dBA	#N/A	#N/A	28	61	132
Future with Ambient, Cumulative, and Project Growth	65.4 dBA	#N/A	#N/A	33	69	149

Change in Noise Levels
Due to Project 1.0 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 2.0 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: Wilhelmina Avenue between El Camino Real and I Street

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 20 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 740 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 0 vehicles
Total Cumulative Growth Volume (ADT): 240 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.5%
Medium Truck	1.8%	0.5%	1.8%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	25	25	25
Medium Truck	25	25	25
Heavy Truck	25	25	25

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	25	25	25
Medium Truck	25	25	25
Heavy Truck	25	25	25

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Agricultural Residential Cluster Project No. 05-58171
Date: 28-Oct-06

Roadway: Wilhelmina Avenue between El Camino Real and I Street

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 20 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	54.0 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Existing + Project	54.0 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Future with Ambient Growth	54.0 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Future with Ambient Growth and Project	54.0 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Future with Ambient Growth and Cumulative Projects	55.3 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Future with Ambient, Cumulative, and Project Growth	55.3 dBA	#N/A	#N/A	#N/A	#N/A	#N/A

Change in Noise Levels
Due to Project 0.0 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 1.2 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 20 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	54.5 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Existing + Project	54.5 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Future with Ambient Growth	54.5 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Future with Ambient Growth and Project	54.5 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Future with Ambient Growth and Cumulative Projects	55.7 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Future with Ambient, Cumulative, and Project Growth	55.7 dBA	#N/A	#N/A	#N/A	#N/A	#N/A

Change in Noise Levels
Due to Project 0.0 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.2 dBA
Due to All Future Growth 1.2 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 north of SR 58

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 2680 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 19,750 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 2,000 vehicles
Total Cumulative Growth Volume (ADT): 8,636 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.6%
Medium Truck	1.8%	0.5%	1.7%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 north of SR 58

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 2680 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	58.4 dBA	210	451	973	2095	4514
Existing + Project	58.8 dBA	223	480	1034	2228	4800
Future with Ambient Growth	58.4 dBA	210	451	973	2095	4514
Future with Ambient Growth and Project	58.8 dBA	223	480	1034	2228	4800
Future with Ambient Growth and Cumulative Projects	60.0 dBA	267	575	1238	2667	5745
Future with Ambient, Cumulative, and Project Growth	60.3 dBA	279	600	1293	2785	6000

Change in Noise Levels
Due to Project 0.4 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.6 dBA
Due to All Future Growth 1.9 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 2680 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	59.0 dBA	228	492	1059	2282	4917
Existing + Project	59.4 dBA	243	523	1127	2428	5231
Future with Ambient Growth	59.0 dBA	228	492	1059	2282	4917
Future with Ambient Growth and Project	59.4 dBA	243	523	1127	2428	5231
Future with Ambient Growth and Cumulative Projects	60.5 dBA	291	626	1348	2905	6259
Future with Ambient, Cumulative, and Project Growth	60.8 dBA	303	654	1409	3035	6538

Change in Noise Levels
Due to Project 0.4 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.6 dBA
Due to All Future Growth 1.9 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 south of SR 58

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 200 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 22,060 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 3,538 vehicles
Total Cumulative Growth Volume (ADT): 11,142 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.6%
Medium Truck	1.8%	0.5%	1.7%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 south of SR 58

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 200 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	70.1 dBA	95	205	441	950	2046
Existing + Project	70.8 dBA	104	225	485	1044	2250
Future with Ambient Growth	70.1 dBA	95	205	441	950	2046
Future with Ambient Growth and Project	70.8 dBA	104	225	485	1044	2250
Future with Ambient Growth and Cumulative Projects	71.9 dBA	125	268	578	1246	2684
Future with Ambient, Cumulative, and Project Growth	72.3 dBA	133	286	617	1329	2864

Change in Noise Levels
Due to Project 0.6 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.8 dBA
Due to All Future Growth 2.2 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 200 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	70.7 dBA	103	223	480	1034	2229
Existing + Project	71.3 dBA	114	245	528	1138	2452
Future with Ambient Growth	70.7 dBA	103	223	480	1034	2229
Future with Ambient Growth and Project	71.3 dBA	114	245	528	1138	2452
Future with Ambient Growth and Cumulative Projects	72.5 dBA	136	292	630	1357	2924
Future with Ambient, Cumulative, and Project Growth	72.9 dBA	145	312	672	1448	3121

Change in Noise Levels
Due to Project 0.6 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.8 dBA
Due to All Future Growth 2.2 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real north of Estrada Avenue

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO):	TNM	
Distance to Receptor:	40	feet
Site Condition (Hard or Soft):	hard	
Upgrade longer than 1 mile:	0	%
Existing Total Traffic Volume (ADT):	4,300	vehicles
Ambient Growth Factor:	0.0%	
Future Year :	2007	
Total Project Volume (ADT):	1,344	vehicles
Total Cumulative Growth Volume (ADT):	3,002	vehicles
Source of Traffic Data: Fehr & Peers 2006		

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.7%
Medium Truck	1.8%	0.5%	1.6%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	55	55	55
Medium Truck	55	55	55
Heavy Truck	55	55	55

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	55	55	55
Medium Truck	55	55	55
Heavy Truck	55	55	55

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real north of Estrada Avenue

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 40 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	67.8 dBA	#N/A	#N/A	62	133	287
Existing + Project	69.0 dBA	#N/A	31	73	158	340
Future with Ambient Growth	67.8 dBA	#N/A	#N/A	62	133	287
Future with Ambient Growth and Project	69.0 dBA	#N/A	31	73	158	340
Future with Ambient Growth and Cumulative Projects	70.1 dBA	#N/A	41	88	189	407
Future with Ambient, Cumulative, and Project Growth	70.8 dBA	#N/A	48	98	210	453

Change in Noise Levels	
Due to Project	1.1 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	2.3 dBA
Due to All Future Growth	3.0 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 40 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	68.4 dBA	#N/A	28	67	145	312
Existing + Project	69.5 dBA	#N/A	36	80	172	371
Future with Ambient Growth	68.4 dBA	#N/A	28	67	145	312
Future with Ambient Growth and Project	69.5 dBA	#N/A	36	80	172	371
Future with Ambient Growth and Cumulative Projects	70.7 dBA	#N/A	47	95	206	443
Future with Ambient, Cumulative, and Project Growth	71.4 dBA	#N/A	49	106	229	493

Change in Noise Levels	
Due to Project	1.1 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	2.3 dBA
Due to All Future Growth	3.0 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: West Pozo Road between J Street and West Driveway

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO):	TNM	
Distance to Receptor:	30	feet
Site Condition (Hard or Soft):	hard	
Upgrade longer than 1 mile:	0	%
Existing Total Traffic Volume (ADT):	3,000	vehicles
Ambient Growth Factor:	0.0%	
Future Year :	2007	
Total Project Volume (ADT):	1,402	vehicles
Total Cumulative Growth Volume (ADT):	3,492	vehicles
Source of Traffic Data: Fehr & Peers 2006		

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.8%
Medium Truck	1.8%	0.5%	1.6%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: West Pozo Road between J Street and West Driveway

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	64.9 dBA	#N/A	#N/A	29	64	137
Existing + Project	66.5 dBA	#N/A	#N/A	42	81	175
Future with Ambient Growth	64.9 dBA	#N/A	#N/A	29	64	137
Future with Ambient Growth and Project	66.5 dBA	#N/A	#N/A	42	81	175
Future with Ambient Growth and Cumulative Projects	68.2 dBA	#N/A	#N/A	49	106	229
Future with Ambient, Cumulative, and Project Growth	69.0 dBA	#N/A	#N/A	56	120	259

Change in Noise Levels	
Due to Project	1.6 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	3.3 dBA
Due to All Future Growth	4.1 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	65.4 dBA	#N/A	#N/A	33	69	149
Existing + Project	67.0 dBA	#N/A	#N/A	48	88	190
Future with Ambient Growth	65.4 dBA	#N/A	#N/A	33	69	149
Future with Ambient Growth and Project	67.0 dBA	#N/A	#N/A	48	88	190
Future with Ambient Growth and Cumulative Projects	68.8 dBA	#N/A	#N/A	54	115	249
Future with Ambient, Cumulative, and Project Growth	69.6 dBA	#N/A	27	61	131	281

Change in Noise Levels	
Due to Project	1.6 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	3.3 dBA
Due to All Future Growth	4.1 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: West Pozo Road southeast of SR 58

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 1500 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 1,000 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 394 vehicles
Total Cumulative Growth Volume (ADT): 726 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.8%
Medium Truck	1.8%	0.5%	1.6%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: West Pozo Road southeast of SR 58

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 1500 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	43.1 dBA	#N/A	#N/A	#N/A	31	243
Existing + Project	44.5 dBA	#N/A	#N/A	#N/A	42	300
Future with Ambient Growth	43.1 dBA	#N/A	#N/A	#N/A	31	243
Future with Ambient Growth and Project	44.5 dBA	#N/A	#N/A	#N/A	42	300
Future with Ambient Growth and Cumulative Projects	45.5 dBA	#N/A	#N/A	#N/A	162	349
Future with Ambient, Cumulative, and Project Growth	46.3 dBA	#N/A	#N/A	#N/A	184	397

Change in Noise Levels
Due to Project 1.4 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 2.3 dBA
Due to All Future Growth 3.2 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 1500 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	43.7 dBA	#N/A	#N/A	#N/A	35	264
Existing + Project	45.1 dBA	#N/A	#N/A	#N/A	48	326
Future with Ambient Growth	43.7 dBA	#N/A	#N/A	#N/A	35	264
Future with Ambient Growth and Project	45.1 dBA	#N/A	#N/A	#N/A	48	326
Future with Ambient Growth and Cumulative Projects	46.0 dBA	#N/A	#N/A	#N/A	176	379
Future with Ambient, Cumulative, and Project Growth	46.9 dBA	#N/A	#N/A	#N/A	200	431

Change in Noise Levels
Due to Project 1.4 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 2.3 dBA
Due to All Future Growth 3.2 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: SR 58 northeast of West Pozo Road

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 100 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 1,900 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 438 vehicles
Total Cumulative Growth Volume (ADT): 1,060 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.7%
Medium Truck	1.8%	0.5%	1.6%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: SR 58 northeast of West Pozo Road

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 100 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	57.7 dBA	#N/A	#N/A	#N/A	70	151
Existing + Project	58.5 dBA	#N/A	#N/A	#N/A	80	172
Future with Ambient Growth	57.7 dBA	#N/A	#N/A	#N/A	70	151
Future with Ambient Growth and Project	58.5 dBA	#N/A	#N/A	#N/A	80	172
Future with Ambient Growth and Cumulative Projects	59.6 dBA	#N/A	#N/A	29	94	203
Future with Ambient, Cumulative, and Project Growth	60.2 dBA	#N/A	#N/A	33	103	221

Change in Noise Levels
Due to Project 0.8 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.9 dBA
Due to All Future Growth 2.5 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 100 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	58.2 dBA	#N/A	#N/A	#N/A	76	164
Existing + Project	59.1 dBA	#N/A	#N/A	26	87	187
Future with Ambient Growth	58.2 dBA	#N/A	#N/A	#N/A	76	164
Future with Ambient Growth and Project	59.1 dBA	#N/A	#N/A	26	87	187
Future with Ambient Growth and Cumulative Projects	60.1 dBA	#N/A	#N/A	33	102	220
Future with Ambient, Cumulative, and Project Growth	60.7 dBA	#N/A	#N/A	37	112	240

Change in Noise Levels
Due to Project 0.8 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.9 dBA
Due to All Future Growth 2.5 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real between Wilhelmina Avenue and Maud Avenue

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO):	TNM	
Distance to Receptor:	30	feet
Site Condition (Hard or Soft):	hard	
Upgrade longer than 1 mile:	0	%
Existing Total Traffic Volume (ADT):	5,490	vehicles
Ambient Growth Factor:	0.0%	
Future Year :	2007	
Total Project Volume (ADT):	3,838	vehicles
Total Cumulative Growth Volume (ADT):	6,326	vehicles
Source of Traffic Data: Fehr & Peers 2006		

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.9%
Medium Truck	1.8%	0.5%	1.5%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real between Wilhelmina Avenue and Maud Avenue

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	67.5 dBA	#N/A	#N/A	44	95	205
Existing + Project	69.7 dBA	#N/A	28	62	133	287
Future with Ambient Growth	67.5 dBA	#N/A	#N/A	44	95	205
Future with Ambient Growth and Project	69.7 dBA	#N/A	28	62	133	287
Future with Ambient Growth and Cumulative Projects	70.8 dBA	#N/A	36	73	158	340
Future with Ambient, Cumulative, and Project Growth	72.0 dBA	#N/A	47	88	189	407

Change in Noise Levels	
Due to Project	2.2 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	3.3 dBA
Due to All Future Growth	4.4 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	68.1 dBA	#N/A	#N/A	48	104	223
Existing + Project	70.3 dBA	#N/A	32	67	145	312
Future with Ambient Growth	68.1 dBA	#N/A	#N/A	48	104	223
Future with Ambient Growth and Project	70.3 dBA	#N/A	32	67	145	312
Future with Ambient Growth and Cumulative Projects	71.4 dBA	#N/A	41	80	172	370
Future with Ambient, Cumulative, and Project Growth	72.5 dBA	#N/A	44	95	205	442

Change in Noise Levels	
Due to Project	2.2 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	3.3 dBA
Due to All Future Growth	4.5 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real between Pinal Avenue and Estrada Avenue

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO):	TNM	
Distance to Receptor:	30	feet
Site Condition (Hard or Soft):	hard	
Upgrade longer than 1 mile:	0	%
Existing Total Traffic Volume (ADT):	5,300	vehicles
Ambient Growth Factor:	0.0%	
Future Year :	2007	
Total Project Volume (ADT):	2,512	vehicles
Total Cumulative Growth Volume (ADT):	5,032	vehicles
Source of Traffic Data: Fehr & Peers 2006		

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.8%
Medium Truck	1.8%	0.5%	1.5%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	35	35	35
Medium Truck	35	35	35
Heavy Truck	35	35	35

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	35	35	35
Medium Truck	35	35	35
Heavy Truck	35	35	35

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real between Pinal Avenue and Estrada Avenue

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	64.3 dBA	#N/A	#N/A	25	58	125
Existing + Project	65.8 dBA	#N/A	#N/A	36	73	158
Future with Ambient Growth	64.3 dBA	#N/A	#N/A	25	58	125
Future with Ambient Growth and Project	65.8 dBA	#N/A	#N/A	36	73	158
Future with Ambient Growth and Cumulative Projects	67.1 dBA	#N/A	#N/A	49	90	194
Future with Ambient, Cumulative, and Project Growth	68.0 dBA	#N/A	#N/A	48	103	221

Change in Noise Levels	
Due to Project	1.5 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	2.9 dBA
Due to All Future Growth	3.7 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	64.8 dBA	#N/A	#N/A	29	63	135
Existing + Project	66.4 dBA	#N/A	#N/A	41	80	172
Future with Ambient Growth	64.8 dBA	#N/A	#N/A	29	63	135
Future with Ambient Growth and Project	66.4 dBA	#N/A	#N/A	41	80	172
Future with Ambient Growth and Cumulative Projects	67.7 dBA	#N/A	#N/A	45	97	210
Future with Ambient, Cumulative, and Project Growth	68.5 dBA	#N/A	#N/A	52	111	240

Change in Noise Levels	
Due to Project	1.6 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	2.9 dBA
Due to All Future Growth	3.7 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: Estrada Avenue south of El Camino Real

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 30 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 3,900 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 1,454 vehicles
Total Cumulative Growth Volume (ADT): 3,812 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.7%
Medium Truck	1.8%	0.5%	1.6%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	35	35	35
Medium Truck	35	35	35
Heavy Truck	35	35	35

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	35	35	35
Medium Truck	35	35	35
Heavy Truck	35	35	35

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: Estrada Avenue south of El Camino Real

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	63.0 dBA	#N/A	#N/A	#N/A	47	102
Existing + Project	64.2 dBA	#N/A	#N/A	25	57	123
Future with Ambient Growth	63.0 dBA	#N/A	#N/A	#N/A	47	102
Future with Ambient Growth and Project	64.2 dBA	#N/A	#N/A	25	57	123
Future with Ambient Growth and Cumulative Projects	65.9 dBA	#N/A	#N/A	37	74	159
Future with Ambient, Cumulative, and Project Growth	66.6 dBA	#N/A	#N/A	43	82	177

Change in Noise Levels
Due to Project 1.3 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 2.9 dBA
Due to All Future Growth 3.6 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 30 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	63.5 dBA	#N/A	#N/A	#N/A	51	110
Existing + Project	64.7 dBA	#N/A	#N/A	28	62	134
Future with Ambient Growth	63.5 dBA	#N/A	#N/A	#N/A	51	110
Future with Ambient Growth and Project	64.7 dBA	#N/A	#N/A	28	62	134
Future with Ambient Growth and Cumulative Projects	66.4 dBA	#N/A	#N/A	41	80	173
Future with Ambient, Cumulative, and Project Growth	67.1 dBA	#N/A	#N/A	49	89	192

Change in Noise Levels
Due to Project 1.3 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 2.9 dBA
Due to All Future Growth 3.6 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: Wilhelmina Avenue between El Camino Real and I Street

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 20 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 740 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 4,952 vehicles
Total Cumulative Growth Volume (ADT): 5,192 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	98.2%
Medium Truck	1.8%	0.5%	1.2%
Heavy Truck	0.7%	0.5%	0.6%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	25	25	25
Medium Truck	25	25	25
Heavy Truck	25	25	25

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	25	25	25
Medium Truck	25	25	25
Heavy Truck	25	25	25

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: Wilhelmina Avenue between El Camino Real and I Street

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 20 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	54.0 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Existing + Project	62.3 dBA	#N/A	#N/A	#N/A	34	61
Future with Ambient Growth	54.0 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Future with Ambient Growth and Project	62.3 dBA	#N/A	#N/A	#N/A	34	61
Future with Ambient Growth and Cumulative Projects	62.8 dBA	#N/A	#N/A	#N/A	38	66
Future with Ambient, Cumulative, and Project Growth	65.2 dBA	#N/A	#N/A	#N/A	45	96

Change in Noise Levels
Due to Project 8.2 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 8.8 dBA
Due to All Future Growth 11.2 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 20 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	54.5 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Existing + Project	62.8 dBA	#N/A	#N/A	#N/A	38	66
Future with Ambient Growth	54.5 dBA	#N/A	#N/A	#N/A	#N/A	#N/A
Future with Ambient Growth and Project	62.8 dBA	#N/A	#N/A	#N/A	38	66
Future with Ambient Growth and Cumulative Projects	63.3 dBA	#N/A	#N/A	#N/A	43	71
Future with Ambient, Cumulative, and Project Growth	65.7 dBA	#N/A	#N/A	#N/A	48	104

Change in Noise Levels
Due to Project 8.3 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 8.8 dBA
Due to All Future Growth 11.2 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 north of SR 58 - B&B, café, amphitheater, winery.

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 1625 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 19,750 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 2,000 vehicles
Total Cumulative Growth Volume (ADT): 8,636 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.6%
Medium Truck	1.8%	0.5%	1.7%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 north of SR 58 - B&B, café, amphitheater, winery.

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 1625 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	60.6 dBA	177	382	823	1773	3821
Existing + Project	61.0 dBA	189	406	875	1886	4063
Future with Ambient Growth	60.6 dBA	177	382	823	1773	3821
Future with Ambient Growth and Project	61.0 dBA	189	406	875	1886	4063
Future with Ambient Growth and Cumulative Projects	62.1 dBA	226	486	1048	2257	4863
Future with Ambient, Cumulative, and Project Growth	62.4 dBA	236	508	1094	2357	5079

Change in Noise Levels
Due to Project 0.4 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.6 dBA
Due to All Future Growth 1.9 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 1625 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	61.1 dBA	193	416	897	1932	4162
Existing + Project	61.5 dBA	205	443	954	2055	4427
Future with Ambient Growth	61.1 dBA	193	416	897	1932	4162
Future with Ambient Growth and Project	61.5 dBA	205	443	954	2055	4427
Future with Ambient Growth and Cumulative Projects	62.7 dBA	246	530	1141	2459	5298
Future with Ambient, Cumulative, and Project Growth	63.0 dBA	257	553	1192	2569	5534

Change in Noise Levels
Due to Project 0.4 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.6 dBA
Due to All Future Growth 1.9 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 south of SR 58 - residential village, guest ranch, lodge

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO): TNM
Distance to Receptor: 625 feet
Site Condition (Hard or Soft): hard
Upgrade longer than 1 mile: 0 %
Existing Total Traffic Volume (ADT): 22,060 vehicles
Ambient Growth Factor: 0.0%
Future Year : 2007
Total Project Volume (ADT): 3,538 vehicles
Total Cumulative Growth Volume (ADT): 11,142 vehicles
Source of Traffic Data: Fehr & Peers 2006

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.6%
Medium Truck	1.8%	0.5%	1.7%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	65	65	65
Medium Truck	65	65	65
Heavy Truck	65	65	65

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: US 101 south of SR 58 - residential village, guest ranch, lodge

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 625 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	65.2 dBA	139	299	644	1388	2991
Existing + Project	65.8 dBA	153	329	709	1527	3289
Future with Ambient Growth	65.2 dBA	139	299	644	1388	2991
Future with Ambient Growth and Project	65.8 dBA	153	329	709	1527	3289
Future with Ambient Growth and Cumulative Projects	67.0 dBA	182	392	846	1822	3925
Future with Ambient, Cumulative, and Project Growth	67.4 dBA	194	419	902	1943	4187

Change in Noise Levels
Due to Project 0.6 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.8 dBA
Due to All Future Growth 2.2 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 625 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	65.8 dBA	151	326	702	1512	3258
Existing + Project	66.4 dBA	166	358	772	1664	3584
Future with Ambient Growth	65.8 dBA	151	326	702	1512	3258
Future with Ambient Growth and Project	66.4 dBA	166	358	772	1664	3584
Future with Ambient Growth and Cumulative Projects	67.5 dBA	198	428	921	1984	4275
Future with Ambient, Cumulative, and Project Growth	67.9 dBA	212	456	983	2118	4562

Change in Noise Levels
Due to Project 0.6 dBA
Due to Ambient Growth 0.0 dBA
Due to Ambient and Cumulative 1.8 dBA
Due to All Future Growth 2.2 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real north of Estrada Avenue - work force housing, worship, park

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO):	TNM	
Distance to Receptor:	20	feet
Site Condition (Hard or Soft):	hard	
Upgrade longer than 1 mile:	0	%
Existing Total Traffic Volume (ADT):	4,300	vehicles
Ambient Growth Factor:	0.0%	
Future Year :	2007	
Total Project Volume (ADT):	1,344	vehicles
Total Cumulative Growth Volume (ADT):	3,002	vehicles
Source of Traffic Data: Fehr & Peers 2006		

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.7%
Medium Truck	1.8%	0.5%	1.6%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	55	55	55
Medium Truck	55	55	55
Heavy Truck	55	55	55

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	55	55	55
Medium Truck	55	55	55
Heavy Truck	55	55	55

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: El Camino Real north of Estrada Avenue - work force housing, worship, park

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 20 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	70.8 dBA	#N/A	#N/A	49	106	227
Existing + Project	72.0 dBA	#N/A	31	58	125	270
Future with Ambient Growth	70.8 dBA	#N/A	#N/A	49	106	227
Future with Ambient Growth and Project	72.0 dBA	#N/A	31	58	125	270
Future with Ambient Growth and Cumulative Projects	73.1 dBA	#N/A	41	70	150	323
Future with Ambient, Cumulative, and Project Growth	73.8 dBA	#N/A	48	77	167	359

Change in Noise Levels	
Due to Project	1.1 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	2.3 dBA
Due to All Future Growth	3.0 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 20 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	71.4 dBA	#N/A	28	53	115	247
Existing + Project	72.5 dBA	#N/A	36	63	137	294
Future with Ambient Growth	71.4 dBA	#N/A	28	53	115	247
Future with Ambient Growth and Project	72.5 dBA	#N/A	36	63	137	294
Future with Ambient Growth and Cumulative Projects	73.7 dBA	#N/A	47	76	163	351
Future with Ambient, Cumulative, and Project Growth	74.4 dBA	#N/A	39	84	182	391

Change in Noise Levels	
Due to Project	1.1 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	2.3 dBA
Due to All Future Growth	3.0 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: West Pozo Road southeast of SR 58 - Ranch headquarter

PROJECT DATA and ASSUMPTIONS

Vehicle Reference Energy Mean Emission Levels (FHWA 1977, TNM®, or CALVENO):	TNM	
Distance to Receptor:	20	feet
Site Condition (Hard or Soft):	hard	
Upgrade longer than 1 mile:	0	%
Existing Total Traffic Volume (ADT):	1,000	vehicles
Ambient Growth Factor:	0.0%	
Future Year :	2007	
Total Project Volume (ADT):	394	vehicles
Total Cumulative Growth Volume (ADT):	726	vehicles
Source of Traffic Data: Fehr & Peers 2006		

Daily Vehicle Mix

	Existing	*Project*	*Future*
Automobile	97.5%	99.0%	97.8%
Medium Truck	1.8%	0.5%	1.6%
Heavy Truck	0.7%	0.5%	0.7%

Source: Assumed given land use and road characteristics

Percentage of Daily Traffic

Existing and Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Project

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	77.5%	12.9%	9.6%
Medium Truck	84.8%	4.9%	10.3%
Heavy Truck	86.5%	2.7%	10.8%

Source: Default Assumption

Average Speed

Existing

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

Future

	Day (7 am-7 pm)	*Evening (7-10 pm)*	*Night (10 pm - 7 am)*
Automobile	45	45	45
Medium Truck	45	45	45
Heavy Truck	45	45	45

Source: Speed Limit

ROADWAY TRAFFIC NOISE

Project: SMR Future Development Program Project No. 05-58171
Date: 28-Oct-06

Roadway: West Pozo Road southeast of SR 58 - Ranch headquarter

Vehicle Noise Emission Levels*: TNM

RESULTS

DAY-NIGHT AVERAGE LEVEL (Ldn)	Ldn at Site 20 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	61.9 dBA	#N/A	#N/A	#N/A	31	58
Existing + Project	63.3 dBA	#N/A	#N/A	#N/A	42	71
Future with Ambient Growth	61.9 dBA	#N/A	#N/A	#N/A	31	58
Future with Ambient Growth and Project	63.3 dBA	#N/A	#N/A	#N/A	42	71
Future with Ambient Growth and Cumulative Projects	64.2 dBA	#N/A	#N/A	#N/A	38	83
Future with Ambient, Cumulative, and Project Growth	65.1 dBA	#N/A	#N/A	#N/A	44	94

Change in Noise Levels	
Due to Project	1.4 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	2.3 dBA
Due to All Future Growth	3.2 dBA

COMMUNITY NOISE EXPOSURE LEVEL (CNEL)	CNEL at Site 20 feet from road centerline	Distance to dBA Contour Line from roadway centerline, feet 75	70	65	60	55
Existing	62.4 dBA	#N/A	#N/A	#N/A	35	63
Existing + Project	63.8 dBA	#N/A	#N/A	#N/A	48	77
Future with Ambient Growth	62.4 dBA	#N/A	#N/A	#N/A	35	63
Future with Ambient Growth and Project	63.8 dBA	#N/A	#N/A	#N/A	48	77
Future with Ambient Growth and Cumulative Projects	64.8 dBA	#N/A	#N/A	#N/A	42	90
Future with Ambient, Cumulative, and Project Growth	65.6 dBA	#N/A	#N/A	#N/A	47	102

Change in Noise Levels	
Due to Project	1.4 dBA
Due to Ambient Growth	0.0 dBA
Due to Ambient and Cumulative	2.3 dBA
Due to All Future Growth	3.2 dBA

*NOTES: Based on algorithms from the Federal Highway Administration "Traffic Noise Model ®", FHWA-PD-96-010, January, 1998.

#N/A = Not Applicable