

APPENDIX F

Noise

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing No Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : N/A
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Rockville Road	Green Valley Road	Oakwood Drive	2,790	30	50	97	2	1	87	0	13	
2	Rockville Road	Oakwood Drive	Suisun Valley Road	3,110	30	50	97	2	1	87	0	13	
3	Rockville Road	Suisun Valley Road	Willotta Drive	7,845	30	50	97	2	1	87	0	13	
4	Rockville Road	Willotta Drive	Russell Road	8,125	30	50	97	2	1	87	0	13	
5	Rockville Road	Russell Road	Abernathy Road	8,215	30	50	97	2	1	87	0	13	
6	Suisun Valley Road	Rockville Road	Monte Vista Court	8,080	30	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing No Project
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Rockville Road	Green Valley Road	Oakwood Drive	55.0	48.8	52.9	57.7	8	16	35	76	163
2	Rockville Road	Oakwood Drive	Suisun Valley Road	55.5	49.2	53.3	58.2	8	17	38	81	175
3	Rockville Road	Suisun Valley Road	Willotta Drive	59.5	53.2	57.4	62.2	15	32	70	150	324
4	Rockville Road	Willotta Drive	Russell Road	59.7	53.4	57.5	62.3	15	33	71	154	332
5	Rockville Road	Russell Road	Abernathy Road	59.7	53.4	57.6	62.4	16	33	72	155	334
6	Suisun Valley Road	Rockville Road	Monte Vista Court	59.7	53.4	57.5	62.3	15	33	71	153	331

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing No Project - Construction
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : N/A
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Rockville Road	Green Valley Road	Oakwood Drive	3,290	30	50	97	2	1	87	0	13	
2	Rockville Road	Oakwood Drive	Suisun Valley Road	3,610	30	50	97	2	1	87	0	13	
3	Rockville Road	Suisun Valley Road	Willotta Drive	8,345	30	50	97	2	1	87	0	13	
4	Rockville Road	Willotta Drive	Russell Road	8,625	30	50	97	2	1	87	0	13	
5	Rockville Road	Russell Road	Abernathy Road	8,715	30	50	97	2	1	87	0	13	
6	Suisun Valley Road	Rockville Road	Monte Vista Court	8,580	30	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing No Project - Construction
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Rockville Road	Green Valley Road	Oakwood Drive	55.7	49.5	53.6	58.4	8	18	39	84	182
2	Rockville Road	Oakwood Drive	Suisun Valley Road	56.2	49.9	54.0	58.8	9	19	42	90	193
3	Rockville Road	Suisun Valley Road	Willotta Drive	59.8	53.5	57.6	62.4	16	34	73	157	338
4	Rockville Road	Willotta Drive	Russell Road	59.9	53.7	57.8	62.6	16	35	74	160	345
5	Rockville Road	Russell Road	Abernathy Road	60.0	53.7	57.8	62.6	16	35	75	161	348
6	Suisun Valley Road	Rockville Road	Monte Vista Court	59.9	53.6	57.7	62.6	16	34	74	160	344

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : N/A
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Rockville Road	Green Valley Road	Oakwood Drive	2,800	30	50	97	2	1	87	0	13	
2	Rockville Road	Oakwood Drive	Suisun Valley Road	3,340	30	50	97	2	1	87	0	13	
3	Rockville Road	Suisun Valley Road	Willotta Drive	8,075	30	50	97	2	1	87	0	13	
4	Rockville Road	Willotta Drive	Russell Road	8,355	30	50	97	2	1	87	0	13	
5	Rockville Road	Russell Road	Abernathy Road	8,445	30	50	97	2	1	87	0	13	
6	Suisun Valley Road	Rockville Road	Monte Vista Court	8,085	30	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing Plus Project
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Rockville Road	Green Valley Road	Oakwood Drive	55.0	48.8	52.9	57.7	8	16	35	76	163
2	Rockville Road	Oakwood Drive	Suisun Valley Road	55.8	49.5	53.6	58.5	9	18	40	85	183
3	Rockville Road	Suisun Valley Road	Willotta Drive	59.6	53.4	57.5	62.3	15	33	71	153	330
4	Rockville Road	Willotta Drive	Russell Road	59.8	53.5	57.6	62.5	16	34	73	157	338
5	Rockville Road	Russell Road	Abernathy Road	59.8	53.6	57.7	62.5	16	34	73	158	340
6	Suisun Valley Road	Rockville Road	Monte Vista Court	59.7	53.4	57.5	62.3	15	33	71	154	331

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing PANP
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : N/A
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Rockville Road	Green Valley Road	Oakwood Drive	2,830	30	50	97	2	1	87	0	13	
2	Rockville Road	Oakwood Drive	Suisun Valley Road	3,150	30	50	97	2	1	87	0	13	
3	Rockville Road	Suisun Valley Road	Willotta Drive	8,380	30	50	97	2	1	87	0	13	
4	Rockville Road	Willotta Drive	Russell Road	8,660	30	50	97	2	1	87	0	13	
5	Rockville Road	Russell Road	Abernathy Road	8,750	30	50	97	2	1	87	0	13	
6	Suisun Valley Road	Rockville Road	Monte Vista Court	8,635	30	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing PANP
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Rockville Road	Green Valley Road	Oakwood Drive	55.1	48.8	52.9	57.7	8	16	35	76	164
2	Rockville Road	Oakwood Drive	Suisun Valley Road	55.6	49.3	53.4	58.2	8	18	38	82	176
3	Rockville Road	Suisun Valley Road	Willotta Drive	59.8	53.5	57.6	62.5	16	34	73	157	339
4	Rockville Road	Willotta Drive	Russell Road	60.0	53.7	57.8	62.6	16	35	75	161	346
5	Rockville Road	Russell Road	Abernathy Road	60.0	53.7	57.8	62.7	16	35	75	162	349
6	Suisun Valley Road	Rockville Road	Monte Vista Court	59.9	53.7	57.8	62.6	16	35	74	160	346

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing PANP - Construction
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : N/A
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Rockville Road	Green Valley Road	Oakwood Drive	3,330	30	50	97	2	1	87	0	13	
2	Rockville Road	Oakwood Drive	Suisun Valley Road	3,650	30	50	97	2	1	87	0	13	
3	Rockville Road	Suisun Valley Road	Willotta Drive	8,880	30	50	97	2	1	87	0	13	
4	Rockville Road	Willotta Drive	Russell Road	9,160	30	50	97	2	1	87	0	13	
5	Rockville Road	Russell Road	Abernathy Road	9,250	30	50	97	2	1	87	0	13	
6	Suisun Valley Road	Rockville Road	Monte Vista Court	9,135	30	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing PANP - Construction
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Rockville Road	Green Valley Road	Oakwood Drive	55.8	49.5	53.6	58.5	8	18	39	85	183
2	Rockville Road	Oakwood Drive	Suisun Valley Road	56.2	49.9	54.0	58.9	9	19	42	90	195
3	Rockville Road	Suisun Valley Road	Willotta Drive	60.1	53.8	57.9	62.7	16	35	76	163	352
4	Rockville Road	Willotta Drive	Russell Road	60.2	53.9	58.0	62.8	17	36	77	167	359
5	Rockville Road	Russell Road	Abernathy Road	60.2	54.0	58.1	62.9	17	36	78	168	362
6	Suisun Valley Road	Rockville Road	Monte Vista Court	60.2	53.9	58.0	62.8	17	36	77	167	359

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing PAPP
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : N/A
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Rockville Road	Green Valley Road	Oakwood Drive	2,840	30	50	97	2	1	87	0	13	
2	Rockville Road	Oakwood Drive	Suisun Valley Road	3,380	30	50	97	2	1	87	0	13	
3	Rockville Road	Suisun Valley Road	Willotta Drive	8,610	30	50	97	2	1	87	0	13	
4	Rockville Road	Willotta Drive	Russell Road	8,890	30	50	97	2	1	87	0	13	
5	Rockville Road	Russell Road	Abernathy Road	8,980	30	50	97	2	1	87	0	13	
6	Suisun Valley Road	Rockville Road	Monte Vista Court	8,640	30	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing PAPP
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Rockville Road	Green Valley Road	Oakwood Drive	55.1	48.8	52.9	57.8	8	16	35	76	165
2	Rockville Road	Oakwood Drive	Suisun Valley Road	55.9	49.6	53.7	58.5	9	18	40	86	185
3	Rockville Road	Suisun Valley Road	Willotta Drive	59.9	53.6	57.8	62.6	16	34	74	160	345
4	Rockville Road	Willotta Drive	Russell Road	60.1	53.8	57.9	62.7	16	35	76	164	352
5	Rockville Road	Russell Road	Abernathy Road	60.1	53.8	57.9	62.8	16	35	76	165	355
6	Suisun Valley Road	Rockville Road	Monte Vista Court	59.9	53.7	57.8	62.6	16	35	74	160	346

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing No Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : N/A
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Rockville Road	Green Valley Road	Oakwood Drive	3,405	30	50	97	2	1	87	0	13	
2	Rockville Road	Oakwood Drive	Suisun Valley Road	3,795	30	50	97	2	1	87	0	13	
3	Rockville Road	Suisun Valley Road	Willotta Drive	9,570	30	50	97	2	1	87	0	13	
4	Rockville Road	Willotta Drive	Russell Road	9,910	30	50	97	2	1	87	0	13	
5	Rockville Road	Russell Road	Abernathy Road	10,020	30	50	97	2	1	87	0	13	
6	Suisun Valley Road	Rockville Road	Monte Vista Court	9,860	30	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing No Project
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Rockville Road	Green Valley Road	Oakwood Drive	55.9	49.6	53.7	58.6	9	19	40	86	186
2	Rockville Road	Oakwood Drive	Suisun Valley Road	56.4	50.1	54.2	59.0	9	20	43	93	200
3	Rockville Road	Suisun Valley Road	Willotta Drive	60.4	54.1	58.2	63.0	17	37	80	172	370
4	Rockville Road	Willotta Drive	Russell Road	60.5	54.3	58.4	63.2	18	38	82	176	379
5	Rockville Road	Russell Road	Abernathy Road	60.6	54.3	58.4	63.2	18	38	82	177	382
6	Suisun Valley Road	Rockville Road	Monte Vista Court	60.5	54.2	58.3	63.2	18	38	81	175	378

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : N/A
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Rockville Road	Green Valley Road	Oakwood Drive	3,420	30	50	97	2	1	87	0	13	
2	Rockville Road	Oakwood Drive	Suisun Valley Road	4,030	30	50	97	2	1	87	0	13	
3	Rockville Road	Suisun Valley Road	Willotta Drive	9,800	30	50	97	2	1	87	0	13	
4	Rockville Road	Willotta Drive	Russell Road	10,140	30	50	97	2	1	87	0	13	
5	Rockville Road	Russell Road	Abernathy Road	10,250	30	50	97	2	1	87	0	13	
6	Suisun Valley Road	Rockville Road	Monte Vista Court	9,865	30	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : Existing Plus Project
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Rockville Road	Green Valley Road	Oakwood Drive	55.9	49.6	53.7	58.6	9	19	40	87	186
2	Rockville Road	Oakwood Drive	Suisun Valley Road	56.6	50.3	54.5	59.3	10	21	45	97	208
3	Rockville Road	Suisun Valley Road	Willotta Drive	60.5	54.2	58.3	63.1	17	38	81	175	376
4	Rockville Road	Willotta Drive	Russell Road	60.6	54.4	58.5	63.3	18	38	83	179	385
5	Rockville Road	Russell Road	Abernathy Road	60.7	54.4	58.5	63.3	18	39	83	180	387
6	Suisun Valley Road	Rockville Road	Monte Vista Court	60.5	54.2	58.3	63.2	18	38	81	175	378

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : On-Site
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : N/A
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	A Driveway	Rockville Road	B Driveway	356	25	50	97	2	1	87	0	13	
2	B Driveway	A Driveway	Suisun Valley Road	403	25	50	97	2	1	87	0	13	
3	Total	A Driveway	B Driveway	758	25	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : Woodcreek 66 EIR
Project Number : 60303737
Modeling Condition : On-Site
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	A Driveway	Rockville Road	B Driveway	43.8	38.6	43.2	47.2	2	3	7	15	32
2	B Driveway	A Driveway	Suisun Valley Road	44.3	39.1	43.7	47.7	2	4	8	16	35
3	Total	A Driveway	B Driveway	47.1	41.9	46.5	50.5	2	5	12	25	54
