

**Appendix G**  
**Noise Model Outputs**

URS  
Cole Martin

15-Nov-06  
TNM 2.5  
Calculated with TNM 2.5

RESULTS: SOUND LEVELS  
PROJECT/CONTRACT: Roseville CIP 2020  
RUN: Scenario 4  
BARRIER DESIGN: INPUT HEIGHTS

Average pavement type shall be used unless  
a State highway agency substantiates the use  
of a different type with approval of FHWA.

ATMOSPHERICS: 68 deg F, 50% RH

Receiver Name	No.	#DUs	Existing			No Barrier			Type	With Barrier			
			LAeq1h	dBA	dBA	LAeq1h	dBA	dBA		Calculated	Noise	Reduction	dB
0015-001"	32	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8	
0015-002"	33	1	0	64	66	64	64	10 ---	64	0	8	-8	
0015-003"	34	1	0	60	66	60	60	10 ---	60	0	8	-8	
0015-004"	35	1	0	66	66	66	66	10 ---	66	0	8	-8	
0015-005"	36	1	0	56	66	56	56	10 ---	56	0	8	-8	
0019-001"	43	1	0	71	66	71	71	10 Snd Lvl	71	0	8	-8	
0019-002"	44	1	0	65	66	65	65	10 ---	65	0	8	-8	
0019-003"	45	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0019-004"	46	1	0	72	66	72	72	10 Snd Lvl	72	0	8	-8	
0069-001	1	1	0	61	66	61	61	10 ---	61	0	8	-8	
0069-002"	2	1	0	62	66	62	62	10 ---	62	0	8	-8	
0069-003"	3	1	0	62	66	62	62	10 ---	62	0	8	-8	
0069-004"	4	1	0	63	66	63	63	10 ---	63	0	8	-8	
0091-001"	48	1	0	65	66	65	65	10 ---	65	0	8	-8	
0091-002"	49	1	0	64	66	64	64	10 ---	64	0	8	-8	
0091-003"	50	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8	
0091-004"	51	1	0	66	66	66	66	10 Snd Lvl	66	0	8	-8	
0091-005"	52	1	0	65	66	65	65	10 ---	65	0	8	-8	
0091-006"	53	1	0	66	66	66	66	10 ---	66	0	8	-8	
0091-007"	54	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0091-008"	55	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8	
0091-009"	56	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0091-010"	57	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0100-001"	27	1	0	61	66	61	61	10 ---	61	0	8	-8	
0100-002"	28	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0100-003"	29	1	0	62	66	62	62	10 ---	62	0	8	-8	
0100-004"	30	1	0	65	66	65	65	10 ---	65	0	8	-8	
0104-001"	21	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0104-002"	22	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0104-003"	23	1	0	66	66	66	66	10 ---	66	0	8	-8	
0104-004"	24	1	0	66	66	66	66	10 Snd Lvl	66	0	8	-8	
0104-005"	25	1	0	65	66	65	65	10 ---	65	0	8	-8	
0105-001"	60	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0105-002"	61	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0105-003"	62	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0105-004"	63	1	0	68	66	68	68	10 Snd Lvl	68	0	8	-8	
0105-005"	64	1	0	64	66	64	64	10 ---	64	0	8	-8	
0105-006"	65	1	0	59	66	59	59	10 ---	59	0	8	-8	
0105-007"	66	1	0	61	66	61	61	10 ---	61	0	8	-8	
0105-008"	67	1	0	60	66	60	60	10 ---	60	0	8	-8	
0105-009"	68	1	0	60	66	60	60	10 ---	60	0	8	-8	
0126-001"	38	1	0	58	66	58	58	10 ---	58	0	8	-8	
0126-002"	39	1	0	60	66	60	60	10 ---	60	0	8	-8	
0126-003"	40	1	0	64	66	64	64	10 ---	64	0	8	-8	
0126-004"	41	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0165-001"	6	1	0	38	66	38	38	10 ---	38	0	8	-8	
0165-002"	7	1	0	38	66	38	38	10 ---	38	0	8	-8	
0165-003"	8	1	0	40	66	40	40	10 ---	40	0	8	-8	
0165-004"	9	1	0	40	66	40	40	10 ---	40	0	8	-8	
0165-005"	10	1	0	39	66	39	39	10 ---	39	0	8	-8	
0165-006"	11	1	0	39	66	39	39	10 ---	39	0	8	-8	
0165-007"	12	1	0	39	66	39	39	10 ---	39	0	8	-8	
0165-008"	13	1	0	38	66	38	38	10 ---	38	0	8	-8	
0165-009"	14	1	0	38	66	38	38	10 ---	38	0	8	-8	
0165-010"	15	1	0	37	66	37	37	10 ---	37	0	8	-8	
0165-011"	16	1	0	37	66	37	37	10 ---	37	0	8	-8	
0165-012"	17	1	0	37	66	37	37	10 ---	37	0	8	-8	
0165-013"	18	1	0	37	66	37	37	10 ---	37	0	8	-8	
0165-014"	19	1	0	36	66	36	36	10 ---	36	0	8	-8	
0178-001"	77	1	0	34	66	34	34	10 ---	34	0	8	-8	
0178-002"	78	1	0	34	66	34	34	10 ---	34	0	8	-8	
0178-003"	79	1	0	34	66	34	34	10 ---	34	0	8	-8	
0178-004"	80	1	0	33	66	33	33	10 ---	33	0	8	-8	
0178-005"	81	1	0	35	66	35	35	10 ---	35	0	8	-8	
0178-006"	82	1	0	35	66	35	35	10 ---	35	0	8	-8	
0178-007"	83	1	0	35	66	35	35	10 ---	35	0	8	-8	
0178-008"	84	1	0	35	66	35	35	10 ---	35	0	8	-8	
0178-009"	85	1	0	35	66	35	35	10 ---	35	0	8	-8	
0179-001"	70	1	0	38	66	38	38	10 ---	38	0	8	-8	
0179-002"	71	1	0	38	66	38	38	10 ---	38	0	8	-8	
0179-003"	72	1	0	38	66	38	38	10 ---	38	0	8	-8	
0179-004"	73	1	0	38	66	38	38	10 ---	38	0	8	-8	
0179-005"	74	1	0	38	66	38	38	10 ---	38	0	8	-8	
0179-006"	75	1	0	39	66	39	39	10 ---	39	0	8	-8	

URS  
Cole Martin

15-Nov-06  
TNM 2.5  
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Roseville CIP 2020  
RUN: Scenario 5  
BARRIER DESIGN: INPUT HEIGHTS

Average pavement type shall be used unless  
a State highway agency substantiates the use  
of a different type with approval of FHWA.

ATMOSPHERICS: 68 deg F, 50% RH

Receiver Name	No.	#DUs	Existing			No Barrier			Type	With Barrier			
			L <sub>Aeq1h</sub> dBA	L <sub>Aeq1h</sub> dBA	dBA	L <sub>Aeq1h</sub> dBA	L <sub>Aeq1h</sub> dBA	dBA		Calculated dBA	Noise Reduction dB	Noise Reduction dB	Noise Reduction dB
0015-001"	32	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8	
0015-002"	33	1	0	64	66	64	64	10 ----	64	0	8	-8	
0015-003"	34	1	0	60	66	60	60	10 ----	60	0	8	-8	
0015-004"	35	1	0	65	66	65	65	10 ----	65	0	8	-8	
0015-005"	36	1	0	56	66	56	56	10 ----	56	0	8	-8	
0019-001"	43	1	0	71	66	71	71	10 Snd Lvl	71	0	8	-8	
0019-002"	44	1	0	65	66	65	65	10 ----	65	0	8	-8	
0019-003"	45	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0019-004"	46	1	0	72	66	72	72	10 Snd Lvl	72	0	8	-8	
0069-001	1	1	0	60	66	60	60	10 ----	60	0	8	-8	
0069-002"	2	1	0	61	66	61	61	10 ----	61	0	8	-8	
0069-003"	3	1	0	61	66	61	61	10 ----	61	0	8	-8	
0069-004"	4	1	0	62	66	62	62	10 ----	62	0	8	-8	
0091-001"	48	1	0	65	66	65	65	10 ----	65	0	8	-8	
0091-002"	49	1	0	65	66	65	65	10 ----	65	0	8	-8	
0091-003"	50	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8	
0091-004"	51	1	0	66	66	66	66	10 Snd Lvl	66	0	8	-8	
0091-005"	52	1	0	65	66	65	65	10 ----	65	0	8	-8	
0091-006"	53	1	0	66	66	66	66	10 ----	66	0	8	-8	
0091-007"	54	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0091-008"	55	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8	
0091-009"	56	1	0	68	66	68	68	10 Snd Lvl	68	0	8	-8	
0091-010"	57	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0100-001"	27	1	0	61	66	61	61	10 ----	61	0	8	-8	
0100-002"	28	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0100-003"	29	1	0	62	66	62	62	10 ----	62	0	8	-8	
0100-004"	30	1	0	65	66	65	65	10 ----	65	0	8	-8	
0104-001"	21	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0104-002"	22	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0104-003"	23	1	0	66	66	66	66	10 ----	66	0	8	-8	
0104-004"	24	1	0	66	66	66	66	10 Snd Lvl	66	0	8	-8	
0104-005"	25	1	0	65	66	65	65	10 ----	65	0	8	-8	
0105-001"	60	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0105-002"	61	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0105-003"	62	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0105-004"	63	1	0	68	66	68	68	10 Snd Lvl	68	0	8	-8	
0105-005"	64	1	0	64	66	64	64	10 ----	64	0	8	-8	
0105-006"	65	1	0	60	66	60	60	10 ----	60	0	8	-8	
0105-007"	66	1	0	62	66	62	62	10 ----	62	0	8	-8	
0105-008"	67	1	0	60	66	60	60	10 ----	60	0	8	-8	
0105-009"	68	1	0	60	66	60	60	10 ----	60	0	8	-8	
0126-001"	38	1	0	59	66	59	59	10 ----	59	0	8	-8	
0126-002"	39	1	0	60	66	60	60	10 ----	60	0	8	-8	
0126-003"	40	1	0	65	66	65	65	10 ----	65	0	8	-8	
0126-004"	41	1	0	68	66	68	68	10 Snd Lvl	68	0	8	-8	
0165-001"	6	1	0	62	66	62	62	10 ----	62	0	8	-8	
0165-002"	7	1	0	63	66	63	63	10 ----	63	0	8	-8	
0165-003"	8	1	0	72	66	72	72	10 ----	72	0	8	-8	
0165-004"	9	1	0	72	66	72	72	10 ----	72	0	8	-8	
0165-005"	10	1	0	71	66	71	71	10 ----	71	0	8	-8	
0165-006"	11	1	0	71	66	71	71	10 ----	71	0	8	-8	
0165-007"	12	1	0	71	66	71	71	10 ----	71	0	8	-8	
0165-008"	13	1	0	68	66	68	68	10 ----	68	0	8	-8	
0165-009"	14	1	0	70	66	70	70	10 ----	70	0	8	-8	
0165-010"	15	1	0	71	66	71	71	10 ----	71	0	8	-8	
0165-011"	16	1	0	71	66	71	71	10 ----	71	0	8	-8	
0165-012"	17	1	0	70	66	70	70	10 ----	70	0	8	-8	
0165-013"	18	1	0	70	66	70	70	10 ----	70	0	8	-8	
0165-014"	19	1	0	69	66	69	69	10 ----	69	0	8	-8	
0178-001"	77	1	0	58	66	58	58	10 ----	58	0	8	-8	
0178-002"	78	1	0	60	66	60	60	10 ----	60	0	8	-8	
0178-003"	79	1	0	63	66	63	63	10 ----	63	0	8	-8	
0178-004"	80	1	0	60	66	60	60	10 ----	60	0	8	-8	
0178-005"	81	1	0	60	66	60	60	10 ----	60	0	8	-8	
0178-006"	82	1	0	60	66	60	60	10 ----	60	0	8	-8	
0178-007"	83	1	0	59	66	59	59	10 ----	59	0	8	-8	
0178-008"	84	1	0	58	66	58	58	10 ----	58	0	8	-8	
0178-009"	85	1	0	57	66	57	57	10 ----	57	0	8	-8	
0179-001"	70	1	0	68	66	68	68	10 ----	68	0	8	-8	
0179-002"	71	1	0	69	66	69	69	10 ----	69	0	8	-8	
0179-003"	72	1	0	69	66	69	69	10 ----	69	0	8	-8	
0179-004"	73	1	0	70	66	70	70	10 ----	70	0	8	-8	
0179-005"	74	1	0	69	66	69	69	10 ----	69	0	8	-8	
0179-006"	75	1	0	68	66	68	68	10 ----	68	0	8	-8	

URS  
Cole Martin

15-Nov-06  
TNM 2.5  
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Roseville CIP 2020  
RUN: Scenario 6  
BARRIER DESIGN: INPUT HEIGHTS

Average pavement type shall be used unless  
a State highway agency substantiates the use  
of a different type with approval of FHWA.

ATMOSPHERICS: 68 deg F, 50% RH

Receiver Name	No.	#DUs	Existing			No Barrier			Type	With Barrier			
			LAeq1h	dBA	dBA	LAeq1h	dBA	dBA		Calculated	Noise Reduction	dB	dB
0015-001*	32	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8	
0015-002*	33	1	0	64	66	64	64	10 ----	64	0	8	-8	
0015-003*	34	1	0	60	66	60	60	10 ----	60	0	8	-8	
0015-004*	35	1	0	65	66	65	65	10 ----	65	0	8	-8	
0015-005*	36	1	0	56	66	56	56	10 ----	56	0	8	-8	
0019-001*	43	1	0	71	66	71	71	10 Snd Lvl	71	0	8	-8	
0019-002*	44	1	0	65	66	65	65	10 ----	65	0	8	-8	
0019-003*	45	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0019-004*	46	1	0	72	66	72	72	10 Snd Lvl	72	0	8	-8	
0069-001	1	1	0	61	66	61	61	10 ----	61	0	8	-8	
0069-002*	2	1	0	62	66	62	62	10 ----	62	0	8	-8	
0069-003*	3	1	0	61	66	61	61	10 ----	61	0	8	-8	
0069-004*	4	1	0	63	66	63	63	10 ----	63	0	8	-8	
0091-001*	48	1	0	65	66	65	65	10 ----	65	0	8	-8	
0091-002*	49	1	0	65	66	65	65	10 ----	65	0	8	-8	
0091-003*	50	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8	
0091-004*	51	1	0	66	66	66	66	10 Snd Lvl	66	0	8	-8	
0091-005*	52	1	0	66	66	66	66	10 ----	66	0	8	-8	
0091-006*	53	1	0	66	66	66	66	10 ----	66	0	8	-8	
0091-007*	54	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0091-008*	55	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8	
0091-009*	56	1	0	68	66	68	68	10 Snd Lvl	68	0	8	-8	
0091-010*	57	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0100-001*	27	1	0	62	66	62	62	10 ----	62	0	8	-8	
0100-002*	28	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0100-003*	29	1	0	62	66	62	62	10 ----	62	0	8	-8	
0100-004*	30	1	0	65	66	65	65	10 ----	65	0	8	-8	
0104-001*	21	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0104-002*	22	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8	
0104-003*	23	1	0	66	66	66	66	10 ----	66	0	8	-8	
0104-004*	24	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0104-005*	25	1	0	65	66	65	65	10 ----	65	0	8	-8	
0105-001*	60	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0105-002*	61	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0105-003*	62	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8	
0105-004*	63	1	0	68	66	68	68	10 Snd Lvl	68	0	8	-8	
0105-005*	64	1	0	64	66	64	64	10 ----	64	0	8	-8	
0105-006*	65	1	0	60	66	60	60	10 ----	60	0	8	-8	
0105-007*	66	1	0	62	66	62	62	10 ----	62	0	8	-8	
0105-008*	67	1	0	60	66	60	60	10 ----	60	0	8	-8	
0105-009*	68	1	0	61	66	61	61	10 ----	61	0	8	-8	
0126-001*	38	1	0	59	66	59	59	10 ----	59	0	8	-8	
0126-002*	39	1	0	61	66	61	61	10 ----	61	0	8	-8	
0126-003*	40	1	0	65	66	65	65	10 ----	65	0	8	-8	
0126-004*	41	1	0	68	66	68	68	10 Snd Lvl	68	0	8	-8	
0165-001*	6	1	0	38	66	38	38	10 ----	38	0	8	-8	
0165-002*	7	1	0	38	66	38	38	10 ----	38	0	8	-8	
0165-003*	8	1	0	40	66	40	40	10 ----	40	0	8	-8	
0165-004*	9	1	0	40	66	40	40	10 ----	40	0	8	-8	
0165-005*	10	1	0	39	66	39	39	10 ----	39	0	8	-8	
0165-006*	11	1	0	39	66	39	39	10 ----	39	0	8	-8	
0165-007*	12	1	0	39	66	39	39	10 ----	39	0	8	-8	
0165-008*	13	1	0	38	66	38	38	10 ----	38	0	8	-8	
0165-009*	14	1	0	38	66	38	38	10 ----	38	0	8	-8	
0165-010*	15	1	0	37	66	37	37	10 ----	37	0	8	-8	
0165-011*	16	1	0	37	66	37	37	10 ----	37	0	8	-8	
0165-012*	17	1	0	37	66	37	37	10 ----	37	0	8	-8	
0165-013*	18	1	0	37	66	37	37	10 ----	37	0	8	-8	
0165-014*	19	1	0	36	66	36	36	10 ----	36	0	8	-8	
0178-001*	77	1	0	34	66	34	34	10 ----	34	0	8	-8	
0178-002*	78	1	0	35	66	35	35	10 ----	35	0	8	-8	
0178-003*	79	1	0	34	66	34	34	10 ----	34	0	8	-8	
0178-004*	80	1	0	33	66	33	33	10 ----	33	0	8	-8	
0178-005*	81	1	0	35	66	35	35	10 ----	35	0	8	-8	
0178-006*	82	1	0	35	66	35	35	10 ----	35	0	8	-8	
0178-007*	83	1	0	35	66	35	35	10 ----	35	0	8	-8	
0178-008*	84	1	0	35	66	35	35	10 ----	35	0	8	-8	
0178-009*	85	1	0	35	66	35	35	10 ----	35	0	8	-8	
0179-001*	70	1	0	38	66	38	38	10 ----	38	0	8	-8	
0179-002*	71	1	0	38	66	38	38	10 ----	38	0	8	-8	
0179-003*	72	1	0	38	66	38	38	10 ----	38	0	8	-8	
0179-004*	73	1	0	39	66	39	39	10 ----	39	0	8	-8	
0179-005*	74	1	0	38	66	38	38	10 ----	38	0	8	-8	
0179-006*	75	1	0	40	66	40	40	10 ----	40	0	8	-8	

URS  
Cole Martin

15-Nov-06  
TNM 2.5  
Calculated with TNM 2.5

RESULTS: SOUND LEVELS  
PROJECT/CONTRACT Roseville CIP 2020  
RUN: Scenario 7  
BARRIER DESIGN: INPUT HEIGHTS

Average pavement type shall be used unless  
a State highway agency substantiates the use  
of a different type with approval of FHWA.

ATMOSPHERICS: 68 deg F, 50% RH

Receiver Name	No.	#DUs	No Barrier			Increase over existing		Type	With Barrier			
			Existing LAeq1h dBA	No Barrier LAeq1h dBA	dBA	dB	dB		Calculated dBA	Noise Reduction dB	dB	dB
0015-001"	32	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8
0015-002"	33	1	0	64	66	64	64	10 ----	64	0	8	-8
0015-003"	34	1	0	60	66	60	60	10 ----	60	0	8	-8
0015-004"	35	1	0	65	66	65	65	10 ----	65	0	8	-8
0015-005"	36	1	0	56	66	56	56	10 ----	56	0	8	-8
0019-001"	43	1	0	71	66	71	71	10 Snd Lvl	71	0	8	-8
0019-002"	44	1	0	65	66	65	65	10 ----	65	0	8	-8
0019-003"	45	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8
0019-004"	46	1	0	72	66	72	72	10 Snd Lvl	72	0	8	-8
0069-001	1	1	0	61	66	61	61	10 ----	61	0	8	-8
0069-002"	2	1	0	62	66	62	62	10 ----	62	0	8	-8
0069-003"	3	1	0	61	66	61	61	10 ----	61	0	8	-8
0069-004"	4	1	0	62	66	62	62	10 ----	62	0	8	-8
0091-001"	48	1	0	65	66	65	65	10 ----	65	0	8	-8
0091-002"	49	1	0	65	66	65	65	10 ----	65	0	8	-8
0091-003"	50	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8
0091-004"	51	1	0	66	66	66	66	10 Snd Lvl	66	0	8	-8
0091-005"	52	1	0	66	66	66	66	10 ----	66	0	8	-8
0091-006"	53	1	0	66	66	66	66	10 ----	66	0	8	-8
0091-007"	54	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8
0091-008"	55	1	0	69	66	69	69	10 Snd Lvl	69	0	8	-8
0091-009"	56	1	0	68	66	68	68	10 Snd Lvl	68	0	8	-8
0091-010"	57	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8
0100-001"	27	1	0	62	66	62	62	10 ----	62	0	8	-8
0100-002"	28	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8
0100-003"	29	1	0	62	66	62	62	10 ----	62	0	8	-8
0100-004"	30	1	0	65	66	65	65	10 ----	65	0	8	-8
0104-001"	21	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8
0104-002"	22	1	0	70	66	70	70	10 Snd Lvl	70	0	8	-8
0104-003"	23	1	0	66	66	66	66	10 ----	66	0	8	-8
0104-004"	24	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8
0104-005"	25	1	0	65	66	65	65	10 ----	65	0	8	-8
0105-001"	60	1	0	68	66	68	68	10 Snd Lvl	68	0	8	-8
0105-002"	61	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8
0105-003"	62	1	0	67	66	67	67	10 Snd Lvl	67	0	8	-8
0105-004"	63	1	0	68	66	68	68	10 Snd Lvl	68	0	8	-8
0105-005"	64	1	0	64	66	64	64	10 ----	64	0	8	-8
0105-006"	65	1	0	60	66	60	60	10 ----	60	0	8	-8
0105-007"	66	1	0	62	66	62	62	10 ----	62	0	8	-8
0105-008"	67	1	0	60	66	60	60	10 ----	60	0	8	-8
0105-009"	68	1	0	61	66	61	61	10 ----	61	0	8	-8
0126-001"	38	1	0	59	66	59	59	10 ----	59	0	8	-8
0126-002"	39	1	0	61	66	61	61	10 ----	61	0	8	-8
0126-003"	40	1	0	65	66	65	65	10 ----	65	0	8	-8
0126-004"	41	1	0	68	66	68	68	10 Snd Lvl	68	0	8	-8
0165-001"	6	1	0	62	66	62	62	10 ----	62	0	8	-8
0165-002"	7	1	0	63	66	63	63	10 ----	63	0	8	-8
0165-003"	8	1	0	72	66	72	72	10 ----	72	0	8	-8
0165-004"	9	1	0	71	66	71	71	10 ----	71	0	8	-8
0165-005"	10	1	0	71	66	71	71	10 ----	71	0	8	-8
0165-006"	11	1	0	71	66	71	71	10 ----	71	0	8	-8
0165-007"	12	1	0	71	66	71	71	10 ----	71	0	8	-8
0165-008"	13	1	0	68	66	68	68	10 ----	68	0	8	-8
0165-009"	14	1	0	70	66	70	70	10 ----	70	0	8	-8
0165-010"	15	1	0	71	66	71	71	10 ----	71	0	8	-8
0165-011"	16	1	0	71	66	71	71	10 ----	71	0	8	-8
0165-012"	17	1	0	69	66	69	69	10 ----	69	0	8	-8
0165-013"	18	1	0	69	66	69	69	10 ----	69	0	8	-8
0165-014"	19	1	0	69	66	69	69	10 ----	69	0	8	-8
0178-001"	77	1	0	58	66	58	58	10 ----	58	0	8	-8
0178-002"	78	1	0	60	66	60	60	10 ----	60	0	8	-8
0178-003"	79	1	0	63	66	63	63	10 ----	63	0	8	-8
0178-004"	80	1	0	60	66	60	60	10 ----	60	0	8	-8
0178-005"	81	1	0	61	66	61	61	10 ----	61	0	8	-8
0178-006"	82	1	0	61	66	61	61	10 ----	61	0	8	-8
0178-007"	83	1	0	60	66	60	60	10 ----	60	0	8	-8
0178-008"	84	1	0	58	66	58	58	10 ----	58	0	8	-8
0178-009"	85	1	0	57	66	57	57	10 ----	57	0	8	-8
0179-001"	70	1	0	65	66	65	65	10 ----	65	0	8	-8
0179-002"	71	1	0	66	66	66	66	10 ----	66	0	8	-8
0179-003"	72	1	0	66	66	66	66	10 ----	66	0	8	-8
0179-004"	73	1	0	67	66	67	67	10 ----	67	0	8	-8
0179-005"	74	1	0	66	66	66	66	10 ----	66	0	8	-8
0179-006"	75	1	0	65	66	65	65	10 ----	65	0	8	-8

URS  
Cole Martin

15-Nov-06  
TNM 2.5  
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Roseville CIP 2020  
RUN: Scenario 7a  
BARRIER DESIGN: INPUT HEIGHTS

Average pavement type shall be used unless  
a State highway agency substantiates the use  
of a different type with approval of FHWA.

ATMOSPHERICS: 68 deg F, 50% RH

Receiver Name	No.	#DUs	Existing			No Barrier			Type	With Barrier			
			LAeq1h dBA	LAeq1h dBA	LAeq1h dBA	LAeq1h dBA	LAeq1h dBA	LAeq1h dBA		LAeq1h dBA	LAeq1h dBA	Noise Reduction dB	Noise Reduction dB
0015-001*	32	1	0	69	66	69	69	10 Snd Lvl	69	69	0	8	-8
0015-002*	33	1	0	64	66	64	64	10 ---	64	64	0	8	-8
0015-003*	34	1	0	60	66	60	60	10 ---	60	60	0	8	-8
0015-004*	35	1	0	65	66	65	65	10 ---	65	65	0	8	-8
0015-005*	36	1	0	56	66	56	56	10 ---	56	56	0	8	-8
0019-001*	43	1	0	72	66	72	72	10 Snd Lvl	72	72	0	8	-8
0019-002*	44	1	0	65	66	65	65	10 ---	65	65	0	8	-8
0019-003*	45	1	0	67	66	67	67	10 Snd Lvl	67	67	0	8	-8
0019-004*	46	1	0	73	66	73	73	10 Snd Lvl	73	73	0	8	-8
0069-001	1	1	0	61	66	61	61	10 ---	61	61	0	8	-8
0069-002*	2	1	0	62	66	62	62	10 ---	62	62	0	8	-8
0069-003*	3	1	0	61	66	61	61	10 ---	61	61	0	8	-8
0069-004*	4	1	0	62	66	62	62	10 ---	62	62	0	8	-8
0091-001*	48	1	0	65	66	65	65	10 ---	65	65	0	8	-8
0091-002*	49	1	0	65	66	65	65	10 ---	65	65	0	8	-8
0091-003*	50	1	0	69	66	69	69	10 Snd Lvl	69	69	0	8	-8
0091-004*	51	1	0	66	66	66	66	10 Snd Lvl	66	66	0	8	-8
0091-005*	52	1	0	66	66	66	66	10 ---	66	66	0	8	-8
0091-006*	53	1	0	66	66	66	66	10 ---	66	66	0	8	-8
0091-007*	54	1	0	70	66	70	70	10 Snd Lvl	70	70	0	8	-8
0091-008*	55	1	0	69	66	69	69	10 Snd Lvl	69	69	0	8	-8
0091-009*	56	1	0	68	66	68	68	10 Snd Lvl	68	68	0	8	-8
0091-010*	57	1	0	67	66	67	67	10 Snd Lvl	67	67	0	8	-8
0100-001*	27	1	0	61	66	61	61	10 ---	61	61	0	8	-8
0100-002*	28	1	0	70	66	70	70	10 Snd Lvl	70	70	0	8	-8
0100-003*	29	1	0	62	66	62	62	10 ---	62	62	0	8	-8
0100-004*	30	1	0	65	66	65	65	10 ---	65	65	0	8	-8
0104-001*	21	1	0	70	66	70	70	10 Snd Lvl	70	70	0	8	-8
0104-002*	22	1	0	70	66	70	70	10 Snd Lvl	70	70	0	8	-8
0104-003*	23	1	0	66	66	66	66	10 ---	66	66	0	8	-8
0104-004*	24	1	0	66	66	66	66	10 Snd Lvl	66	66	0	8	-8
0104-005*	25	1	0	65	66	65	65	10 ---	65	65	0	8	-8
0105-001*	60	1	0	68	66	68	68	10 Snd Lvl	68	68	0	8	-8
0105-002*	61	1	0	67	66	67	67	10 Snd Lvl	67	67	0	8	-8
0105-003*	62	1	0	67	66	67	67	10 Snd Lvl	67	67	0	8	-8
0105-004*	63	1	0	68	66	68	68	10 Snd Lvl	68	68	0	8	-8
0105-005*	64	1	0	64	66	64	64	10 ---	64	64	0	8	-8
0105-006*	65	1	0	60	66	60	60	10 ---	60	60	0	8	-8
0105-007*	66	1	0	62	66	62	62	10 ---	62	62	0	8	-8
0105-008*	67	1	0	60	66	60	60	10 ---	60	60	0	8	-8
0105-009*	68	1	0	61	66	61	61	10 ---	61	61	0	8	-8
0126-001*	38	1	0	59	66	59	59	10 ---	59	59	0	8	-8
0126-002*	39	1	0	60	66	60	60	10 ---	60	60	0	8	-8
0126-003*	40	1	0	64	66	64	64	10 ---	64	64	0	8	-8
0126-004*	41	1	0	68	66	68	68	10 Snd Lvl	68	68	0	8	-8
0165-001*	6	1	0	61	66	61	61	10 ---	61	61	0	8	-8
0165-002*	7	1	0	62	66	62	62	10 ---	62	62	0	8	-8
0165-003*	8	1	0	72	66	72	72	10 ---	72	72	0	8	-8
0165-004*	9	1	0	71	66	71	71	10 ---	71	71	0	8	-8
0165-005*	10	1	0	71	66	71	71	10 ---	71	71	0	8	-8
0165-006*	11	1	0	70	66	70	70	10 ---	70	70	0	8	-8
0165-007*	12	1	0	71	66	71	71	10 ---	71	71	0	8	-8
0165-008*	13	1	0	68	66	68	68	10 ---	68	68	0	8	-8
0165-009*	14	1	0	69	66	69	69	10 ---	69	69	0	8	-8
0165-010*	15	1	0	70	66	70	70	10 ---	70	70	0	8	-8
0165-011*	16	1	0	70	66	70	70	10 ---	70	70	0	8	-8
0165-012*	17	1	0	69	66	69	69	10 ---	69	69	0	8	-8
0165-013*	18	1	0	69	66	69	69	10 ---	69	69	0	8	-8
0165-014*	19	1	0	69	66	69	69	10 ---	69	69	0	8	-8
0178-001*	77	1	0	58	66	58	58	10 ---	58	58	0	8	-8
0178-002*	78	1	0	60	66	60	60	10 ---	60	60	0	8	-8
0178-003*	79	1	0	63	66	63	63	10 ---	63	63	0	8	-8
0178-004*	80	1	0	60	66	60	60	10 ---	60	60	0	8	-8
0178-005*	81	1	0	60	66	60	60	10 ---	60	60	0	8	-8
0178-006*	82	1	0	60	66	60	60	10 ---	60	60	0	8	-8
0178-007*	83	1	0	59	66	59	59	10 ---	59	59	0	8	-8
0178-008*	84	1	0	58	66	58	58	10 ---	58	58	0	8	-8
0178-009*	85	1	0	56	66	56	56	10 ---	56	56	0	8	-8
0179-001*	70	1	0	65	66	65	65	10 ---	65	65	0	8	-8
0179-002*	71	1	0	65	66	65	65	10 ---	65	65	0	8	-8
0179-003*	72	1	0	65	66	65	65	10 ---	65	65	0	8	-8
0179-004*	73	1	0	67	66	67	67	10 ---	67	67	0	8	-8
0179-005*	74	1	0	66	66	66	66	10 ---	66	66	0	8	-8
0179-006*	75	1	0	65	66	65	65	10 ---	65	65	0	8	-8