Table 4-3. Potential Noise Abatement by Location

Receptors Analyzed	Barrier ID	7dBA Design Goal?	Dwelling Units	Total Leq Reduction (dBA)	Barrier Height (ft)	Barrier Length (ft)	Barrier Unit Cost	Cost Benefit Index	CBI Criteria Met?
Mitigation Common to Build Alternatives									
R52,R55,R56, C57,R58, R118, R119	MIT 1a-c	Yes	11	54.2	14	626	$45	$7,276	No
R318, R320, R322, R323, R62, R67	MIT 1c	Yes	11	28.4	13	490	$45	$10,093	No
R52,R55,R56, C57,R58, R118, R119, R318, R320, R322, R323, R62, R67	MIT 1d	Yes	18	56.7	18	1020	$45	$14,571	No
R324, R68, R69, R74, C75, R75a-d	MIT 3a	No	9		12	900	$45		NA
R70, R71, R72, R73	MIT 3b	Yes	15	57.6	12	900	$45	$8,438	No
R83, R84, R86	MIT 4a	Yes	3	23.9	12	1110	$45	$25,079	No
R81, R81a-b, R82, C116	MIT 4b1	No	5		12	585	$45		NA
R85, R87, R88, R92	MIT 4b2-4	Yes	6	7.3	12	475	$45	$35,137	No
R102, R103, R104, R108	MIT 5a	Yes	5	36.5	12	1200	$45	$17,753	No
R105, R106, R107, R107b	MIT 5b	Yes	8	57.1	10	230	$45	$1,813	Yes
Mitigation Revised F Modified Alternative									
R304, R305, R306, R307	MIT 2n	No	4				$45		NA
R309, R310, R311, R312, R315	MIT 2s	No	5				$45		NA
R300, R301, R302	MIT 2c	No	3		20	900	$45		NA
Mitigation East Alignment Alternative									
R13[illegible]R18[illegible]	MIT6	Yes	6	7.1	12	460	$45	$58,310	No

2011 Guidelines

MIT1c Mitigation analysis for Walls at R52 to R66

Receptor	14ft x 626ft			13ft x 626ft		13ft x 490ft	
66	1	<3		<3		<3	
67	1	9.4	9.4	8.5	8.5	8.4	8.4
320	4	5.4	21.6	4.7		4.5	
322	1	3.8		<3		<3	
323	4	5.8	23.2	5	20	5	20
DBA			**54.2**		**28.5**		**28.4**

Wall Ht	Wall Ler	Unit Cos	Decibel	CBI	
12	626	45	*		
13	626	45	28.5	$12,849	unreasonable
14	626	45	54.2	$7,276	

Wall Ht	Wall Ler	Unit Cos	Decibel	CBI
13	490	45	28.4	$10,093

* No 7 dBA reduction at minimum 1 front row receptor

2011 Guidelines

MIT1c Mitigation analysis for Walls at R52 to R66

Receptor	14ft x 626ft			13ft x 626ft		13ft x 490ft	
66	1	<3		<3		<3	
67	1	9.4	9.4	8.5	8.5	8.4	8.4
320	4	5.4	21.6	4.7	18.8	4.5	18
322	1	3.8	3.8	<3		<3	
323	4	5.8	23.2	5	20	5	20
DBA			**58**		**47.3**		**46.4**

Wall Ht	Wall Ler	Unit Cos	Decibel	CBI	
12	626	30	*		
13	626	30	47.3	$5,162	unreasonable
14	626	30	58	$4,533	marginal

Wall Ht	Wall Ler	Unit Cos	Decibel	CBI	
13	490	30	46.4	$4,119	reasonable

* No 5dBA reduction at minimum 1 front row receptor

2002 Guidelines

Wall 13 x 490 along frontage rd

☒ Feasible

☒ CBI

Requires County ROW

<See MIT1d>

Root filename: SEISModG
jts 110506 walls southside frontage rd

6 May 2011
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Supplemental EIS US160/550 Grandview
RUN: MIT1 walls c shorter wall 13ft
BARRIER DESIGN: INPUT HEIGHTS

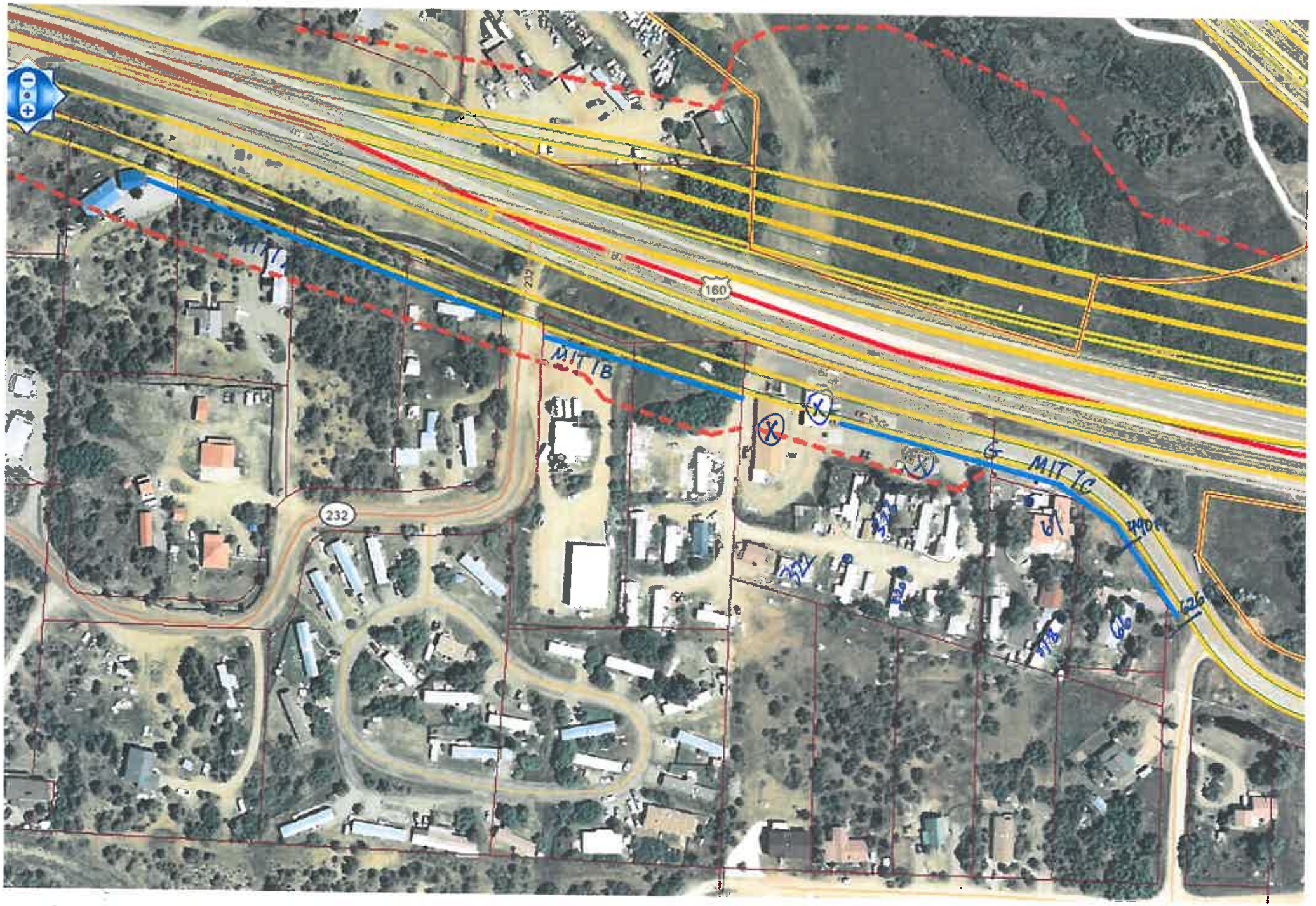
ATMOSPHERICS: 68 deg F, 50% RH

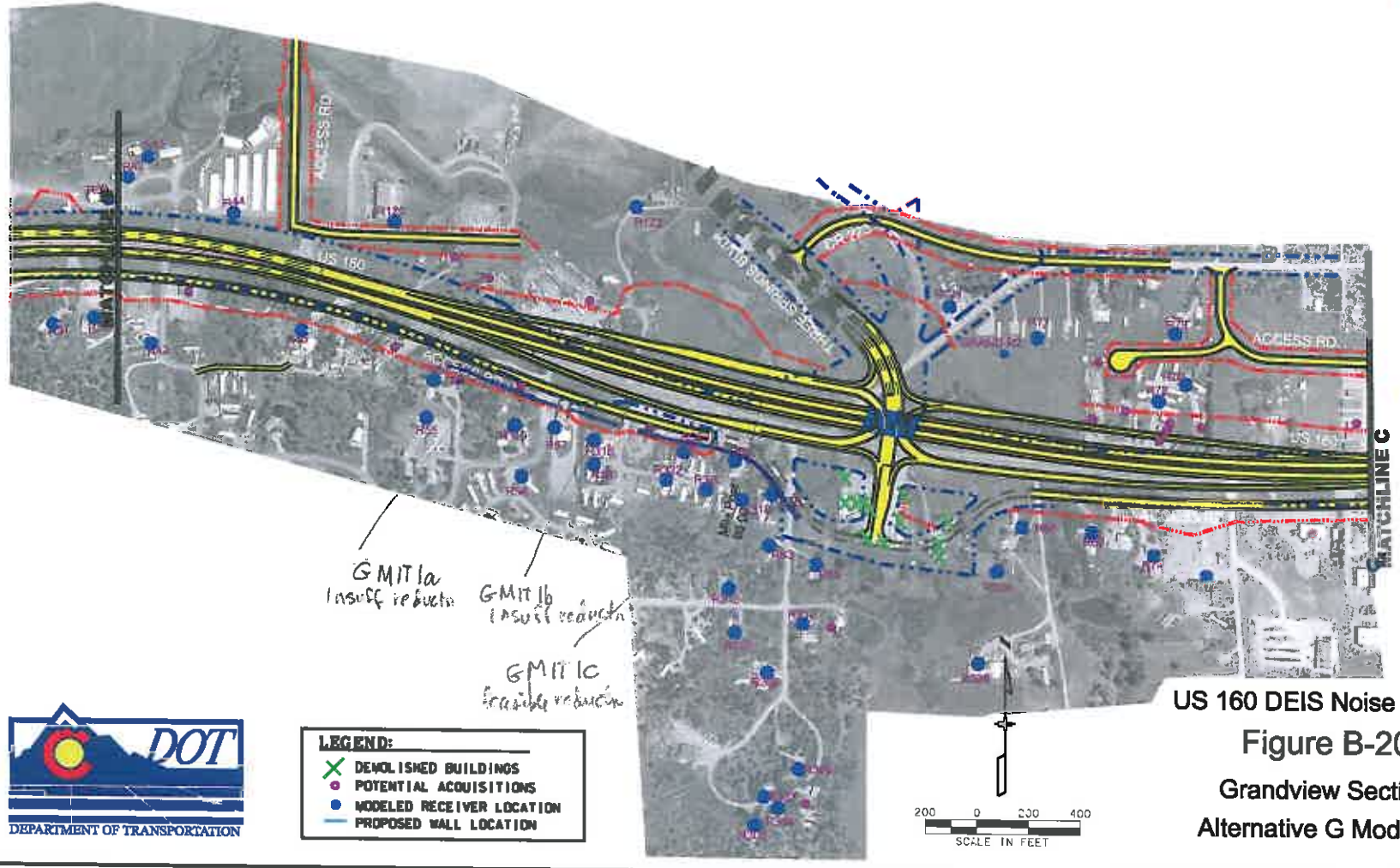
Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier					With Barrier			
				LAeq1h		Increase over existing		Type Impact	Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
52	56	1	62.9	61.8	66	-1.1	10	----	57.9	3.9	5	-1.1
55	60	1	61.4	60.9	66	-0.5	10	----	60.1	0.8	5	-4.2
56	61	3	62.3	62.2	66	-0.1	10	----	61.5	0.7	5	-4.3
C57	90	1	67.0	67.0	71	0.0	10	----	62.7	4.3	5	-0.7
58	91	3	65.9	65.8	66	-0.1	10	----	64.9	0.9	5	-4.1
63	92	1	66.3	66.3	66	0.0	10	Snd Lvl	65.9	0.4	5	-4.6
65	93	1	65.2	65.1	66	-0.1	10	----	64.8	0.3	5	-4.7
66	94	1	69.6	69.2	66	-0.4	10	Snd Lvl	68.3	0.9	5	-4.1
67	95	1	71.5	70.8	66	-0.7	10	Snd Lvl	62.4	8.4	5	3.4
118	142	3	67.7	67.7	66	0.0	10	Snd Lvl	65.1	2.6	5	-2.4
119	143	2	65.6	65.6	66	0.0	10	----	64.3	1.3	5	-3.7
304	155	1	54.1	53.7	66	-0.4	10	----	53.7	0.0	5	-5.0
305	156	1	53.5	53.1	66	-0.4	10	----	53.0	0.1	5	-4.9
306	157	1	55.5	55.2	66	-0.3	10	----	55.2	0.0	5	-5.0
307	158	1	54.3	54.0	66	-0.3	10	----	53.9	0.1	5	-4.9
309	159	1	59.2	59.2	66	0.0	10	----	59.1	0.1	5	-4.9
310	160	1	60.7	60.7	66	0.0	10	----	60.7	0.0	5	-5.0
312	161	1	61.7	61.7	66	0.0	10	----	61.6	0.1	5	-4.9
315	162	1	63.1	63.2	66	0.1	10	----	63.3	-0.1	5	-5.1
318	163	1	68.3	68.3	66	0.0	10	Snd Lvl	67.5	0.8	5	-4.2
320	164	4	67.6	67.5	66	-0.1	10	Snd Lvl	63.0	4.5	5	-0.5
322	165	1	67.3	67.3	66	0.0	10	Snd Lvl	64.5	2.8	5	-2.2
323	167	4	70.3	70.4	66	0.1	10	Snd Lvl	65.4	5.0	5	0.0

C326	169	1	61.1	60.9	66	-0.2	10	----	60.9	0.0	5	-5.0
Grand4	171	1	57.1	56.7	66	-0.4	10	----	56.6	0.1	5	-4.9
56a	173	1	61.4	61.2	66	-0.2	10	----	60.4	0.8	5	-4.2
58a	174	1	65.7	65.6	66	-0.1	10	----	64.8	0.8	5	-4.2
58b	175	1	67.0	67.0	66	0.0	10	Snd Lvl	66.8	0.2	5	-4.8
311	176	1	60.2	60.3	66	0.1	10	----	60.3	0.0	5	-5.0
312a	177	1	61.6	61.5	66	-0.1	10	----	61.4	0.1	5	-4.9
C325	178	1	62.5	62.3	66	-0.2	10	----	62.2	0.1	5	-4.9

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	44	-0.1	1.3	8.4
All Impacted	17	0.2	2.8	8.4
All that meet NR Goal	5	5.0	6.7	8.4


160
232
MIT 1B
MIT 1C



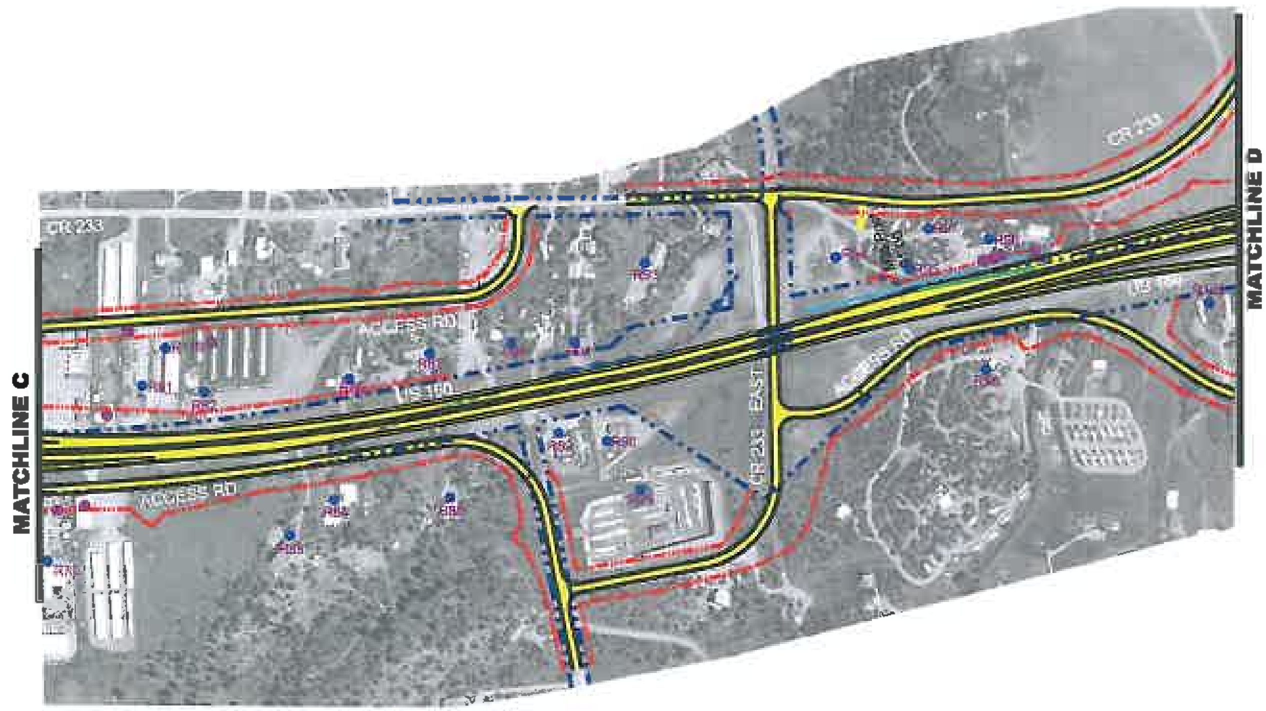
DEPARTMENT OF TRANSPORTATION

US 160 DEIS Noise Analysis

Figure B-20

Grandview Section

Alternative G Modified



LEGEND:
- DEMOLISHED BUILDINGS
- POTENTIAL ACQUISITIONS
- MODELED RECEIVER LOCATION
- PROPOSED WALL LOCATION

US 160 DEIS Noise Analysis

Figure B-21

Grandview Section

Alternative G Modified

DEPARTMENT OF TRANSPORTATION

Root filename: SEISModG
jts 110506 walls southside frontage rd

6 May 2011
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Supplemental EIS US160/550 Grandview
RUN: MIT1 walls a13-14,b15, c13
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier					With Barrier			
				LAeq1h		Increase over existing		Type Impact	Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
52	56	1	62.9	61.8	66	-1.1	10	---	57.9	3.9	5	-1.1
55	60	1	61.4	60.9	66	-0.5	10	---	60.1	0.8	5	-4.2
56	61	3	62.3	62.2	66	-0.1	10	---	61.5	0.7	5	-4.3
C57	90	1	67.0	67.0	71	0.0	10	---	62.7	4.3	5	-0.7
58	91	3	65.9	65.8	66	-0.1	10	---	64.9	0.9	5	-4.1
63	92	1	66.3	66.3	66	0.0	10	Snd Lvl	66.0	0.3	5	-4.7
65	93	1	65.2	65.2	66	0.0	10	---	64.8	0.4	5	-4.6
66	94	1	69.6	69.2	66	-0.4	10	Snd Lvl	68.1	1.1	5	-3.9
67	95	1	71.5	70.8	66	-0.7	10	Snd Lvl	62.3	8.5	5	3.5
118	142	3	67.7	67.7	66	0.0	10	Snd Lvl	65.1	2.6	5	-2.4
119	143	2	65.6	65.6	66	0.0	10	---	64.3	1.3	5	-3.7
304	155	1	54.1	53.7	66	-0.4	10	---	53.7	0.0	5	-5.0
305	156	1	53.5	53.1	66	-0.4	10	---	53.1	0.0	5	-5.0
306	157	1	55.5	55.2	66	-0.3	10	---	55.2	0.0	5	-5.0
307	158	1	54.3	54.0	66	-0.3	10	---	54.0	0.0	5	-5.0
309	159	1	59.2	59.2	66	0.0	10	---	59.2	0.0	5	-5.0
310	160	1	60.7	60.8	66	0.1	10	---	60.8	0.0	5	-5.0
312	161	1	61.7	61.7	66	0.0	10	---	61.7	0.0	5	-5.0
315	162	1	63.1	63.3	66	0.2	10	---	63.4	-0.1	5	-5.1
318	163	1	68.3	68.3	66	0.0	10	Snd Lvl	67.4	0.9	5	-4.1
320	164	4	67.6	67.5	66	-0.1	10	Snd Lvl	62.8	4.7	5	-0.3
322	165	1	67.3	67.3	66	0.0	10	Snd Lvl	64.5	2.8	5	-2.2
323	167	4	70.3	70.4	66	0.1	10	Snd Lvl	65.4	5.0	5	0.0

C326	169	1	61.1	60.9	66	-0.2	10	----	60.9	0.0	5	-5.0
Grand4	171	1	57.1	56.7	66	-0.4	10	----	56.6	0.1	5	-4.9
56a	173	1	61.4	61.2	66	-0.2	10	----	60.4	0.8	5	-4.2
58a	174	1	65.7	65.6	66	-0.1	10	----	64.8	0.8	5	-4.2
58b	175	1	67.0	67.0	66	0.0	10	Snd Lvl	66.8	0.2	5	-4.8
311	176	1	60.2	60.4	66	0.2	10	----	60.4	0.0	5	-5.0
312a	177	1	61.6	61.5	66	-0.1	10	----	61.4	0.1	5	-4.9
C325	178	1	62.5	62.3	66	-0.2	10	----	62.2	0.1	5	-4.9

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	44	-0.1	1.3	8.5
All Impacted	17	0.2	2.9	8.5
All that meet NR Goal	5	5.0	6.8	8.5

Root filename: SEISModG
jts 110506 walls southside frontage rd

6 May 2011
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Supplemental EIS US160/550 Grandview
RUN: MIT1 walls a,b,c 14ft
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier					With Barrier			
				LAeq1h		Increase over existing		Type Impact	Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
52	56	1	62.9	61.8	66	-1.1	10	----	58.1	3.7	5	-1.3
55	60	1	61.4	60.9	66	-0.5	10	----	60.2	0.7	5	-4.3
56	61	3	62.3	62.2	66	-0.1	10	----	61.7	0.5	5	-4.5
C57	90	1	67.0	67.0	71	0.0	10	----	63.1	3.9	5	-1.1
58	91	3	65.9	65.8	66	-0.1	10	----	65.0	0.8	5	-4.2
63	92	1	66.3	66.3	66	0.0	10	Snd Lvl	65.7	0.6	5	-4.4
65	93	1	65.2	65.2	66	0.0	10	----	64.8	0.4	5	-4.6
66	94	1	69.6	69.2	66	-0.4	10	Snd Lvl	67.8	1.4	5	-3.6
67	95	1	71.5	70.8	66	-0.7	10	Snd Lvl	61.4	9.4	5	4.4
118	142	3	67.7	67.7	66	0.0	10	Snd Lvl	65.2	2.5	5	-2.5
119	143	2	65.6	65.6	66	0.0	10	----	64.5	1.1	5	-3.9
304	155	1	54.1	53.7	66	-0.4	10	----	53.7	0.0	5	-5.0
305	156	1	53.5	53.1	66	-0.4	10	----	53.1	0.0	5	-5.0
306	157	1	55.5	55.2	66	-0.3	10	----	55.2	0.0	5	-5.0
307	158	1	54.3	54.0	66	-0.3	10	----	54.0	0.0	5	-5.0
309	159	1	59.2	59.2	66	0.0	10	----	59.2	0.0	5	-5.0
310	160	1	60.7	60.8	66	0.1	10	----	60.8	0.0	5	-5.0
312	161	1	61.7	61.7	66	0.0	10	----	61.6	0.1	5	-4.9
315	162	1	63.1	63.3	66	0.2	10	----	63.4	-0.1	5	-5.1
318	163	1	68.3	68.3	66	0.0	10	Snd Lvl	66.7	1.6	5	-3.4
320	164	4	67.6	67.6	66	0.0	10	Snd Lvl	62.2	5.4	5	0.4
322	165	1	67.3	67.3	66	0.0	10	Snd Lvl	63.5	3.8	5	-1.2
323	167	4	70.3	70.4	66	0.1	10	Snd Lvl	64.6	5.8	5	0.8

wall C

C326	169	1	61.1	60.9	66	-0.2	10	---	60.9	0.0	5	-5.0
Grand4	171	1	57.1	56.7	66	-0.4	10	---	56.7	0.0	5	-5.0
56a	173	1	61.4	61.2	66	-0.2	10	---	60.6	0.6	5	-4.4
58a	174	1	65.7	65.6	66	-0.1	10	---	64.9	0.7	5	-4.3
58b	175	1	67.0	67.0	66	0.0	10	Snd Lvl	66.7	0.3	5	-4.7
311	176	1	60.2	60.4	66	0.2	10	---	60.4	0.0	5	-5.0
312a	177	1	61.6	61.5	66	-0.1	10	---	61.4	0.1	5	-4.9
C325	178	1	62.5	62.3	66	-0.2	10	---	62.2	0.1	5	-4.9

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	44	-0.1	1.4	9.4
All Impacted	17	0.3	3.4	9.4
All that meet NR Goal	9	5.4	6.9	9.4

Root filename: SEISModG
jts 110506 walls southside frontage rd

6 May 2011
TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: Supplemental EIS US160/550 Grandview
RUN: MIT1 walls a,b,c 14ft

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height at Point	Segment				
		Min	Max	$ per Unit Area	$ per Unit Vol.	Top Width	Run:Rise	$ per Unit Length			X	Y	Z		Seg Ht Increment	Perturbs #Up	Perturbs #Dn	On Struct?	Important Reflections?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier3	W	0.00	99.99	0.00				0.00	point12	12	2,322,680.0	1,213,531.0	6,706.00	20.00	0.00	0	0		
									point13	13	2,322,879.8	1,213,497.0	6,710.00	20.00	0.00	0	0		
									point14	14	2,323,017.8	1,213,469.6	6,719.00	20.00	0.00	0	0		
									point15	15	2,323,148.0	1,213,436.0	6,722.00	15.00	0.00	0	0		
									point16	16	2,323,280.5	1,213,397.9	6,725.00	15.00	0.00	0	0		
									point17	17	2,323,429.8	1,213,348.9	6,755.00	10.00	0.00	0	0		
									point18	18	2,323,575.0	1,213,296.2	6,755.00	10.00					
MIT 1a	W	8.00	99.99	0.00				0.00	point23	23	2,323,337.2	1,213,302.6	6,788.00	12.00	2.00	0	0		
									point26	26	2,323,481.0	1,213,256.1	6,785.00	12.00	2.00	0	0		
									point25	25	2,323,601.8	1,213,222.0	6,782.00	14.00	2.00	0	0		
									point27	27	2,323,727.0	1,213,173.5	6,774.00	14.00	2.00	0	0		
									point24	24	2,323,860.2	1,213,120.8	6,772.00	14.00					
MIT 1c	W	0.00	99.99	0.00				0.00	point28	28	2,324,399.5	1,212,955.4	6,761.00	14.00	2.00	0	0		
									point29	29	2,324,686.8	1,212,885.1	6,770.00	14.00	2.00	0	0		
									point30	30	2,324,769.8	1,212,847.9	6,773.00	14.00	2.00	0	0		
									point31	31	2,324,850.2	1,212,761.0	6,773.00	14.00	2.00	0	0		
									point32	32	2,324,916.2	1,212,672.2	6,775.00	14.00					
MIT 1b	W	0.00	99.99	0.00				0.00	point33	33	2,323,969.8	1,213,083.5	6,767.00	14.00	2.00	0	0		
									point34	34	2,324,078.8	1,213,046.4	6,765.00	14.00	2.00	0	0		
									point35	35	2,324,236.0	1,212,992.5	6,761.00	14.00					

Root filename: SEISModG
jts 110506 walls southside frontage rd

6 May 2011
TNM 2.5
Calculated with TNM 2.5

No feasible + noise reduction

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Supplemental EIS US160/550 Grandview
RUN: MIT1 walls a,b,c
BARRIER DESIGN: INPUT HEIGHTS 10/12 Ft

ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier					With Barrier			
				LAeq1h		Increase over existing		Type Impact	Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
52	56	1	62.9	61.8	66	-1.1	10	----	58.8	3.0	5	-2.0
55	60	1	61.4	60.9	66	-0.5	10	----	60.4	0.5	5	-4.5
56	61	3	62.3	62.2	66	-0.1	10	----	62.0	0.2	5	-4.8
C57	90	1	67.0	67.0	71	0.0	10	----	64.2	2.8	5	-2.2
58	91	3	65.9	65.8	66	-0.1	10	----	65.2	0.6	5	-4.4
63	92	1	66.3	66.2	66	-0.1	10	Snd Lvl	66.2	0.0	5	-5.0
65	93	1	65.2	65.1	66	-0.1	10	----	64.9	0.2	5	-4.8
66	94	1	69.6	69.5	66	-0.1	10	Snd Lvl	69.4	0.1	5	-4.9
67	95	1	71.5	71.4	66	-0.1	10	Snd Lvl	71.3	0.1	5	-4.9
118	142	3	67.7	67.7	66	0.0	10	Snd Lvl	65.5	2.2	5	-2.8
119	143	2	65.6	65.6	66	0.0	10	----	65.0	0.6	5	-4.4
304	155	1	54.1	53.7	66	-0.4	10	----	53.8	-0.1	5	-5.1
305	156	1	53.5	53.1	66	-0.4	10	----	53.1	0.0	5	-5.0
306	157	1	55.5	55.2	66	-0.3	10	----	55.2	0.0	5	-5.0
307	158	1	54.3	54.0	66	-0.3	10	----	54.0	0.0	5	-5.0
309	159	1	59.2	59.2	66	0.0	10	----	59.2	0.0	5	-5.0
310	160	1	60.7	60.8	66	0.1	10	----	60.9	-0.1	5	-5.1
312	161	1	61.7	61.7	66	0.0	10	----	61.7	0.0	5	-5.0
315	162	1	63.1	63.3	66	0.2	10	----	63.4	-0.1	5	-5.1
318	163	1	68.3	68.3	66	0.0	10	Snd Lvl	68.2	0.1	5	-4.9
320	164	4	67.6	67.5	66	-0.1	10	Snd Lvl	64.2	~~4.3~~	5	-1.7
322	165	1	67.3	67.3	66	0.0	10	Snd Lvl	64.9	~~2.4~~	5	-2.6
323	167	4	70.3	70.3	66	0.0	10	Snd Lvl	67.2	~~3.1~~	5	-1.9

Could C

C326	169	1	61.1	60.9	66	-0.2	10	---	60.9	0.0	5	-5.0
Grand4	171	1	57.1	56.7	66	-0.4	10	---	56.8	-0.1	5	-5.1
56a	173	1	61.4	61.2	66	-0.2	10	---	60.9	0.3	5	-4.7
58a	174	1	65.7	65.6	66	-0.1	10	---	65.3	0.3	5	-4.7
58b	175	1	67.0	67.0	66	0.0	10	Snd Lvl	66.8	0.2	5	-4.8
311	176	1	60.2	60.4	66	0.2	10	---	60.4	0.0	5	-5.0
312a	177	1	61.6	61.5	66	-0.1	10	---	61.4	0.1	5	-4.9
C325	178	1	62.5	62.3	66	-0.2	10	---	62.2	0.1	5	-4.9

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	44	-0.1	0.6	3.3
All Impacted	17	0.0	1.3	3.3
All that meet NR Goal	0	0.0	0.0	0.0

Root filename: SEISModG
jts 110506 walls southside frontage rd

6 May 2011
TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: Supplemental EIS US160/550 Grandview
RUN: MIT1 walls a,b,c

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height at Point	Segment				
		Min	Max	$ per Unit Area	$ per Unit Vol.	Top Width	Run:Rise	$ per Unit Length			X	Y	Z		Seg Ht Increment	#Up	#Dn	On Struct?	Important Reflections?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier3	W	0.00	99.99	0.00				0.00	point12	12	2,322,880.0	1,213,531.0	6,706.00	20.00	0.00	0	0		
									point13	13	2,322,879.8	1,213,497.0	6,710.00	20.00	0.00	0	0		
									point14	14	2,323,017.8	1,213,469.6	6,719.00	20.00	0.00	0	0		
									point15	15	2,323,148.0	1,213,436.0	6,722.00	15.00	0.00	0	0		
									point16	16	2,323,280.5	1,213,397.9	6,725.00	15.00	0.00	0	0		
									point17	17	2,323,429.8	1,213,348.9	6,755.00	10.00	0.00	0	0		
									point18	18	2,323,575.0	1,213,296.2	6,755.00	10.00					
MIT 1a	W	8.00	99.99	0.00				0.00	point23	23	2,323,337.2	1,213,302.6	6,788.00	8.00	2.00	0	0		
									point26	26	2,323,481.0	1,213,256.1	6,785.00	8.00	2.00	0	0		
									point25	25	2,323,601.8	1,213,222.0	6,782.00	10.00	2.00	0	0		
									point27	27	2,323,727.0	1,213,173.5	6,774.00	12.00	2.00	0	0		
									point24	24	2,323,860.2	1,213,120.8	6,772.00	12.00					
MIT 1c	W	0.00	99.99	0.00				0.00	point28	28	2,324,399.5	1,212,955.4	6,761.00	12.00	2.00	0	0		
									point29	29	2,324,686.8	1,212,885.1	6,770.00	12.00	2.00	0	0		
									point30	30	2,324,769.8	1,212,847.9	6,773.00	12.00	2.00	0	0		
									point31	31	2,324,850.2	1,212,761.0	6,773.00	12.00	2.00	0	0		
									point32	32	2,324,916.2	1,212,672.2	6,775.00	12.00					
MIT 1b	W	0.00	99.99	0.00				0.00	point33	33	2,323,969.8	1,213,083.5	6,767.00	12.00	2.00	0	0		
									point34	34	2,324,078.8	1,213,046.4	6,765.00	12.00	2.00	0	0		
									point35	35	2,324,236.0	1,212,992.5	6,761.00	12.00					