Appendix F

Noise Analysis Summary Table

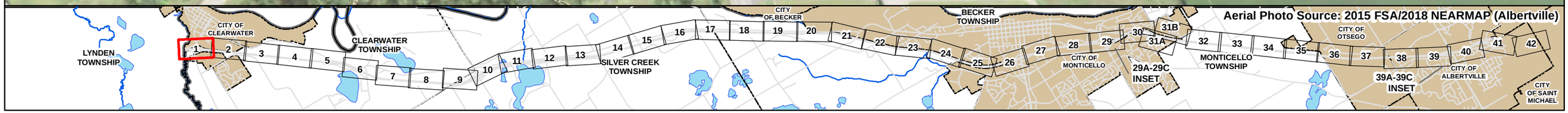
Appendix A-1. Noise Receptors and Build Impacts- Page 1 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*

0 125 250 Feet
NORTH

Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)



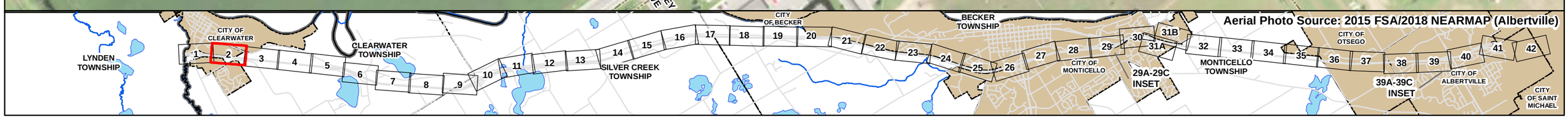
Appendix A-1. Noise Receptors and Build Impacts- Page 2 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails

Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels

0 125 250 Feet

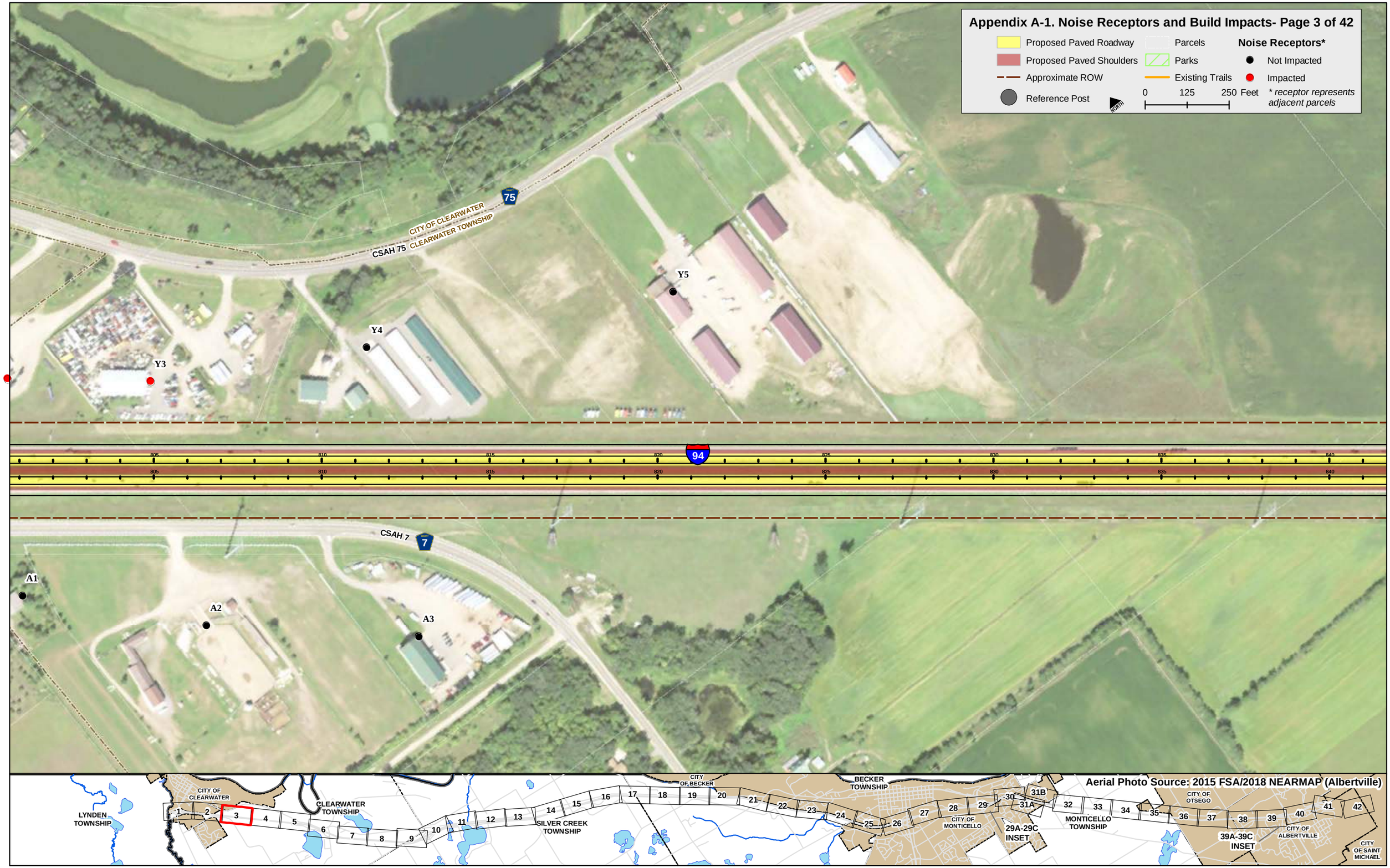
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)

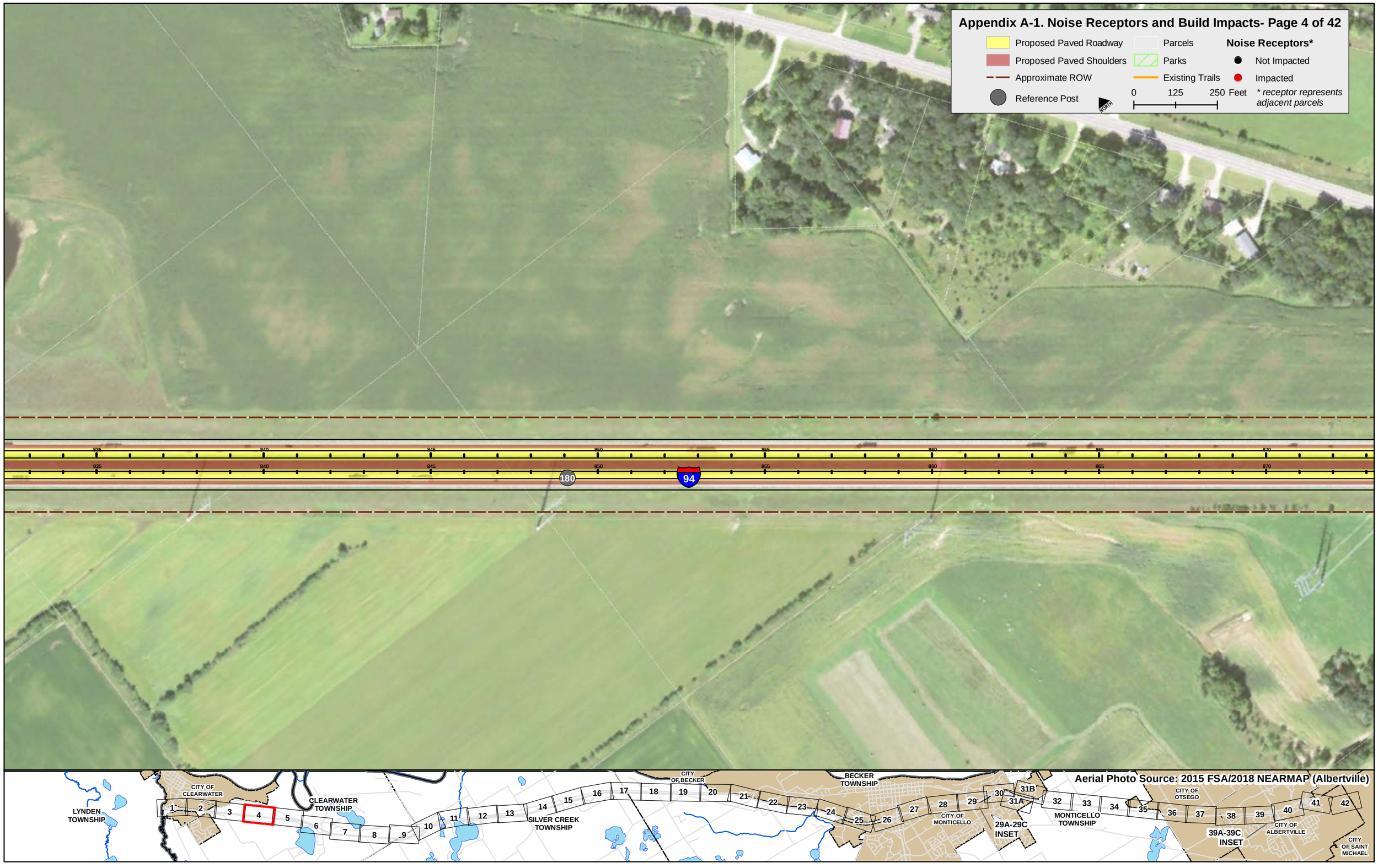


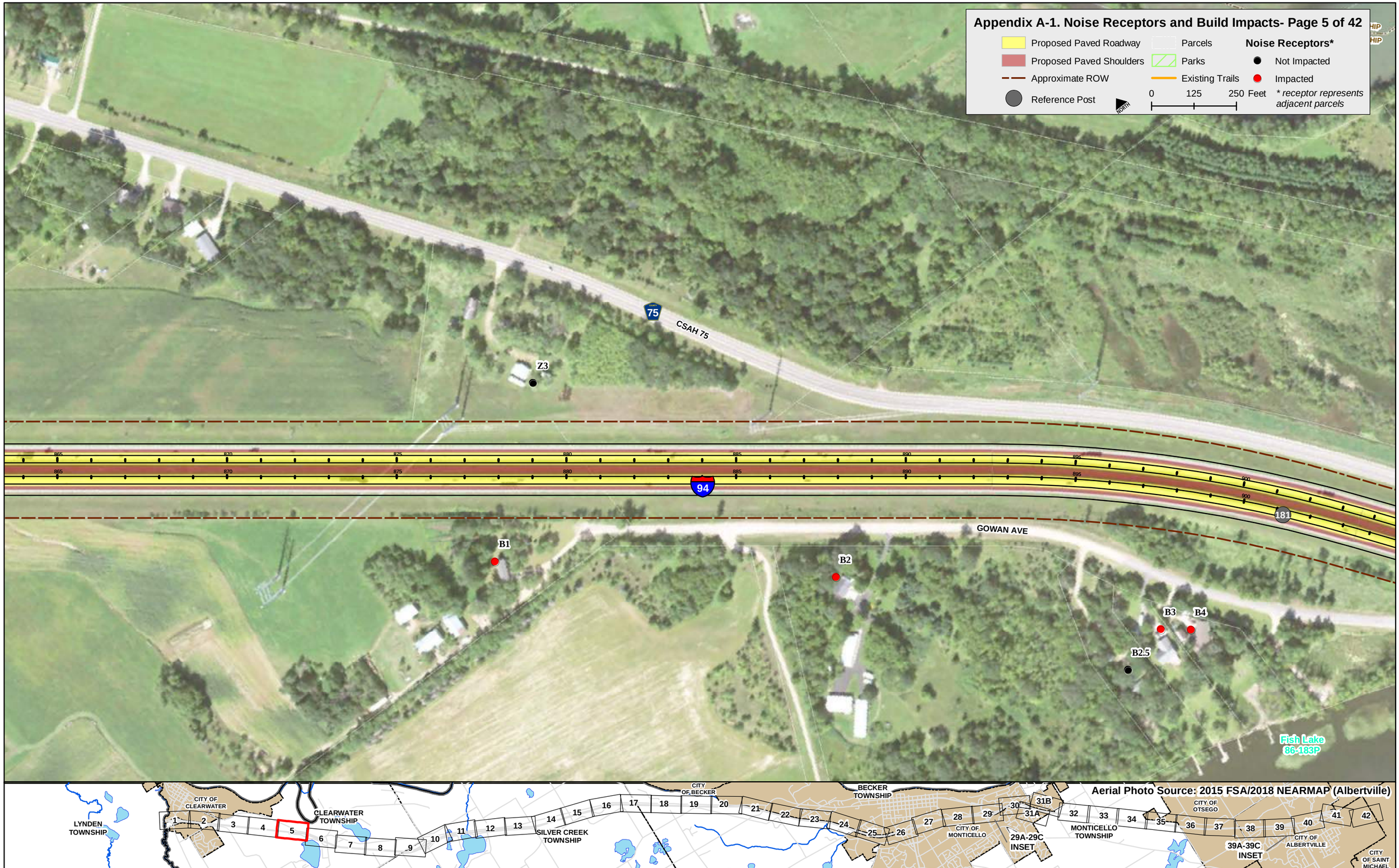
Appendix A-1. Noise Receptors and Build Impacts- Page 3 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH

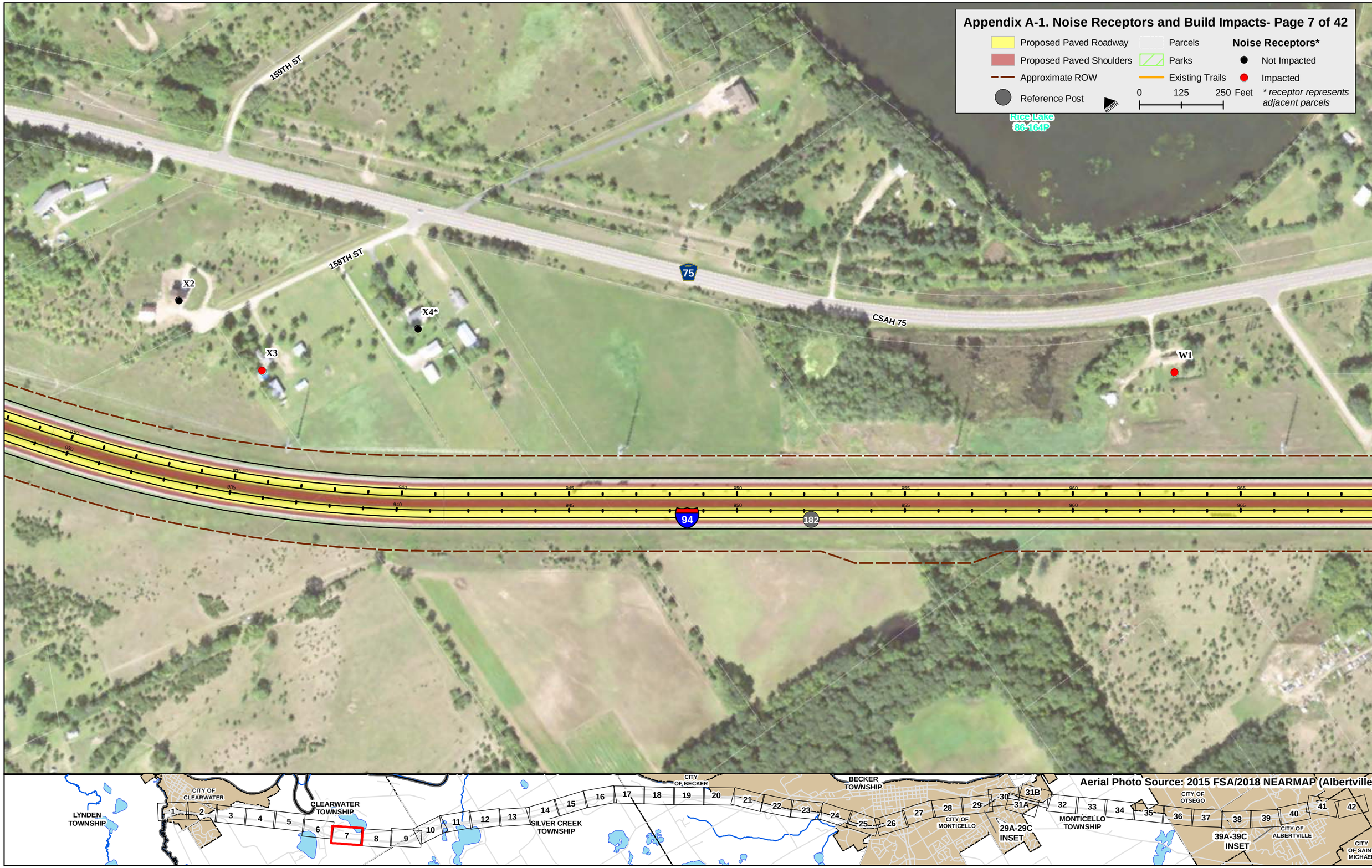
Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*




Appendix A-1. Noise Receptors and Build Impacts- Page 4 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
0 125 250 Feet
* receptor represents adjacent parcels
NORTH
835 840 845 850 855 860 865 870
180
94
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42


Appendix A-1. Noise Receptors and Build Impacts- Page 5 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
0 125 250 Feet
NORTH
CSAH 75
Z3
B1
B2
B2.5
B3
B4
GOWAN AVE
94
181
Fish Lake
86-183P
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL

Appendix A-1. Noise Receptors and Build Impacts- Page 6 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
0 125 250 Feet
NORTH
150TH ST NW
159TH ST
158TH ST
CSAH 75
75
94
GOWAN AVE
GROVER AVE NW
181
X1
X2
X3
B2.5
B3
B4
B5*
B6
B7*
B8
B9
B10
B11
B12
B13*
Fish Lake 86-183P
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL


Appendix A-1. Noise Receptors and Build Impacts- Page 7 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
0 125 250 Feet
* receptor represents adjacent parcels
NORTH
Rice Lake
86-164P
159TH ST
158TH ST
CSAH 75
75
94
182
X2
X3
X4*
W1
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL

Appendix A-1. Noise Receptors and Build Impacts- Page 8 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*

Appendix A-1. Noise Receptors and Build Impacts- Page 9 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*

0 125 250 Feet

NORTH

CSAH 75
150TH ST NW
148TH ST NW
CSAH 8
ENDICOTT AVE NW
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
V1
V2
V3
Z4
Z5
94
183
75
8

Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)

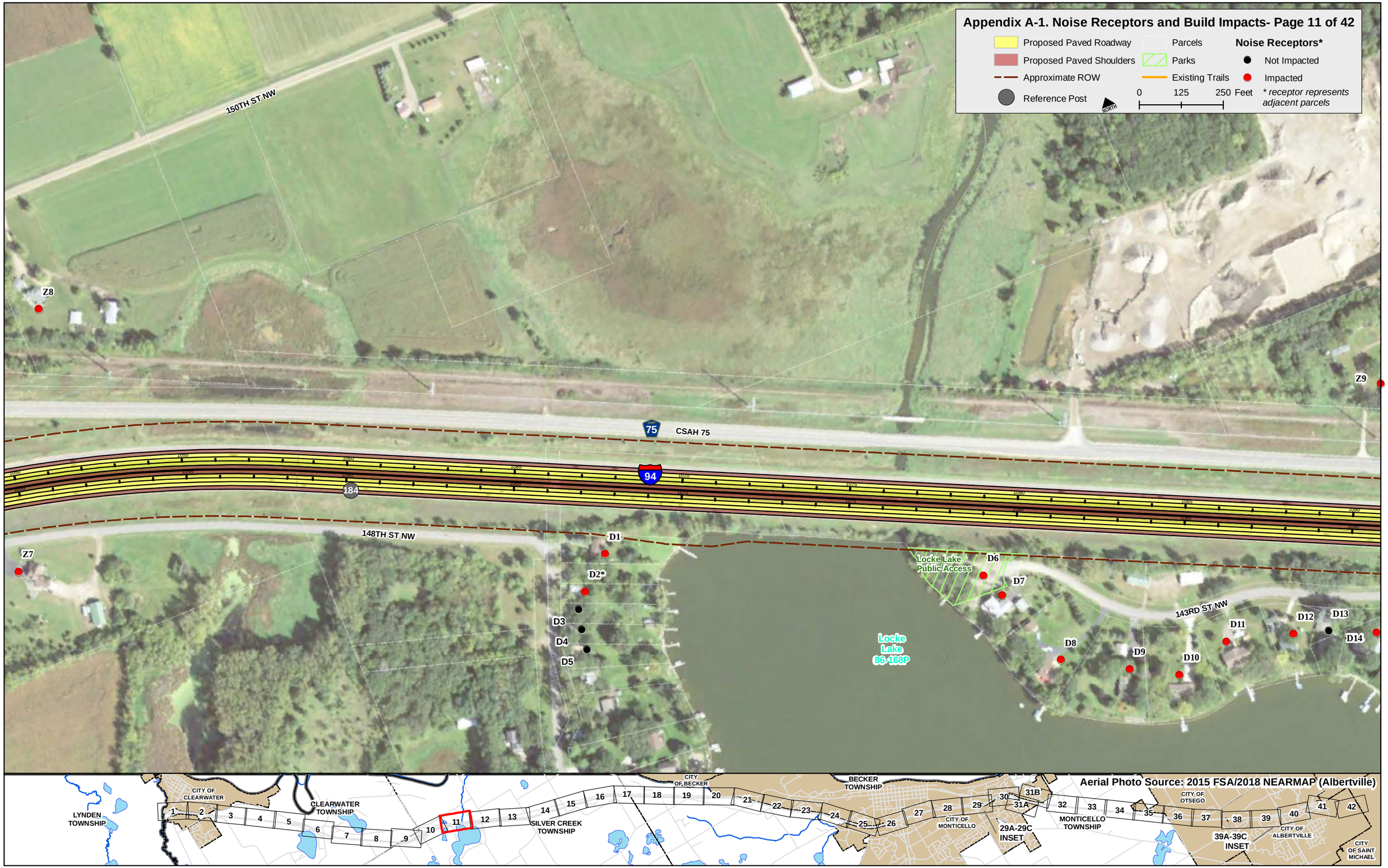
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL

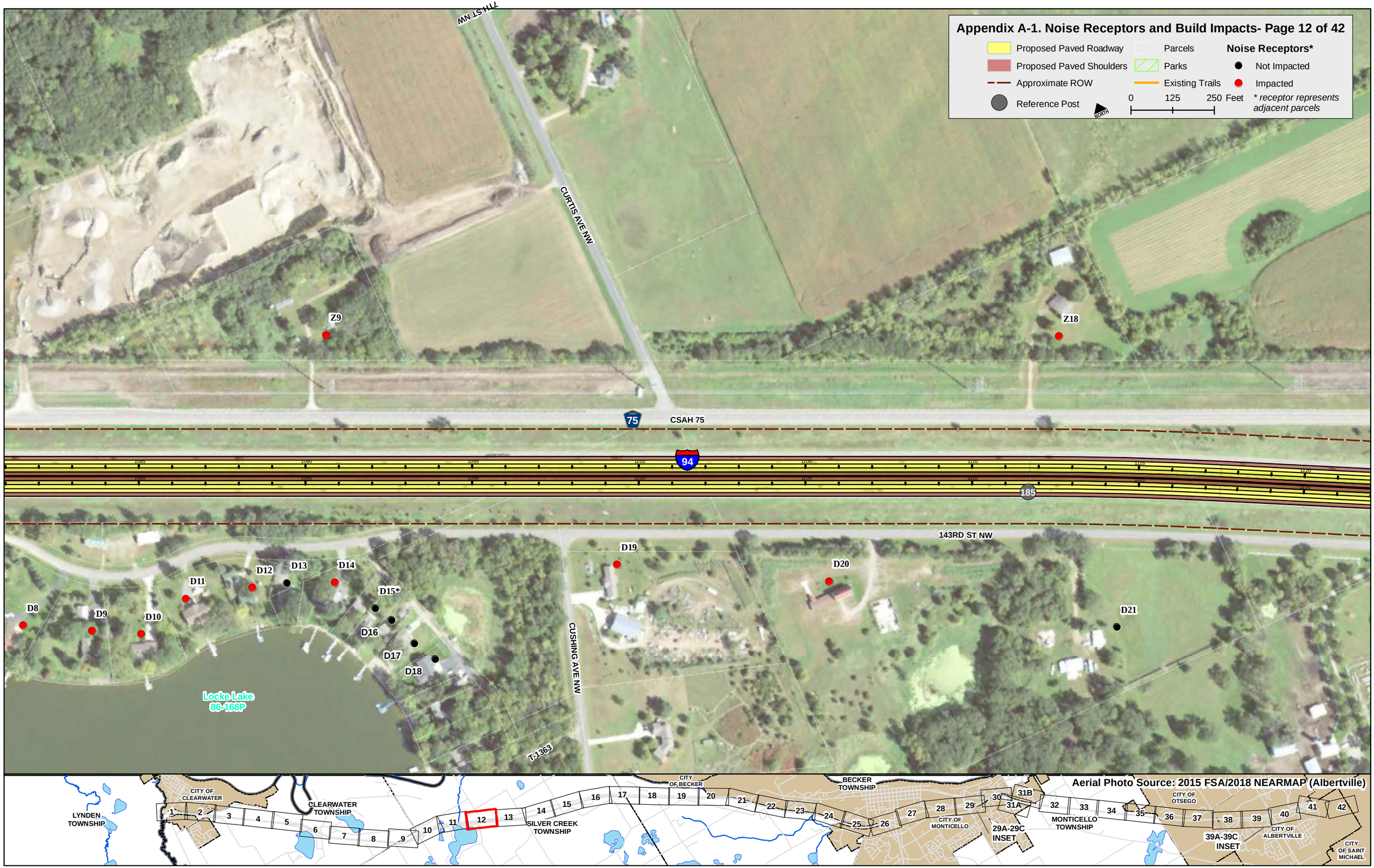
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42

Appendix A-1. Noise Receptors and Build Impacts- Page 10 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*


Appendix A-1. Noise Receptors and Build Impacts- Page 11 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
0 125 250 Feet
NORTH
150TH ST NW
CSAH 75
75
94
184
148TH ST NW
143RD ST NW
Locke Lake Public Access
Locke Lake 86-168P
Z7
Z8
Z9
D1
D2*
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL


Appendix A-1. Noise Receptors and Build Impacts- Page 12 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
0 125 250 Feet
NORTH
* receptor represents adjacent parcels
77TH ST NW
CURTIS AVE NW
Z9
Z18
CSAH 75
75
94
185
143RD ST NW
D8
D9
D10
D11
D12
D13
D14
D15*
D16
D17
D18
D19
D20
D21
Locke Lake
86-168P
CUSHING AVE NW
T-1363
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL

Appendix A-1. Noise Receptors and Build Impacts- Page 13 of 42

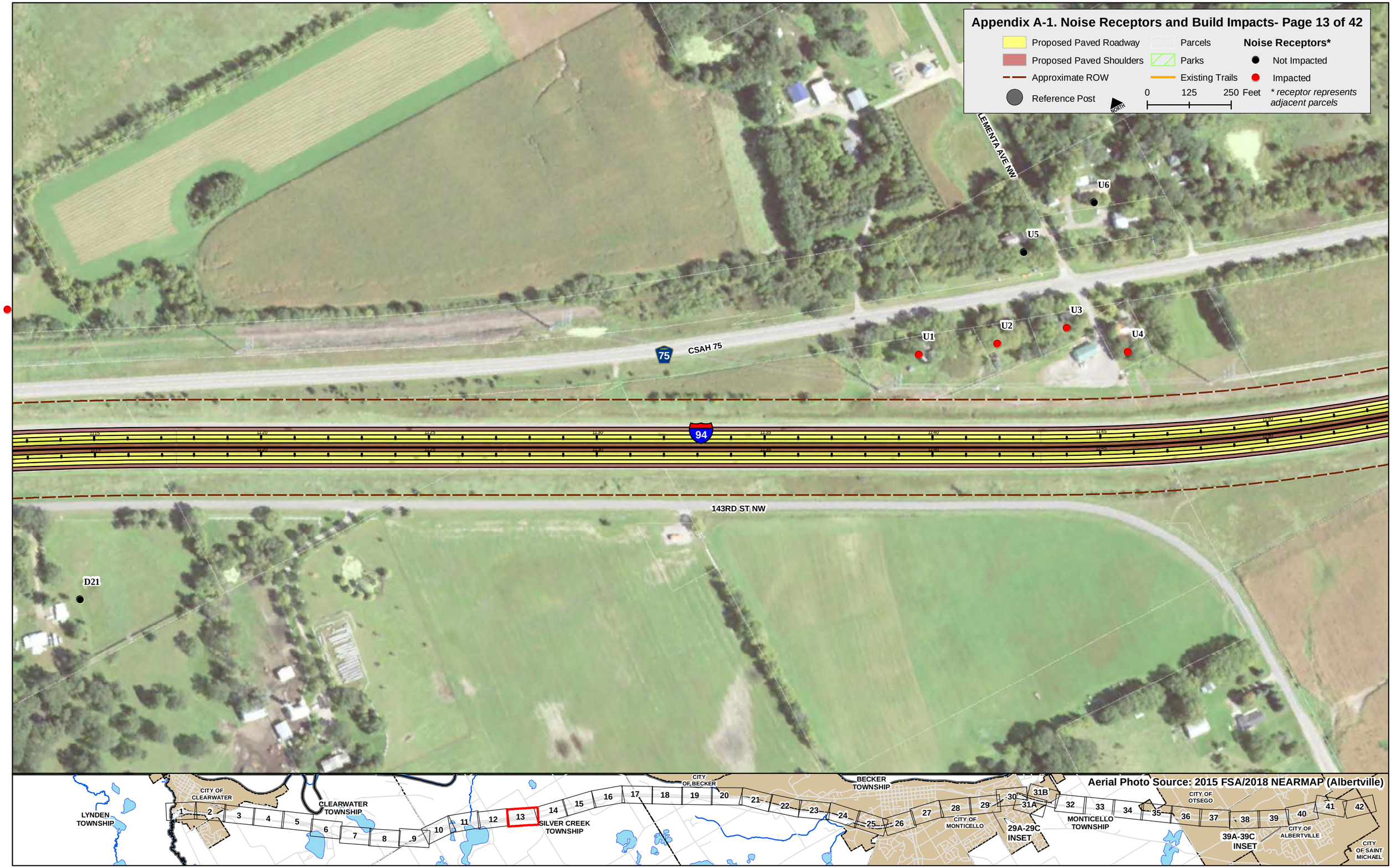
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails

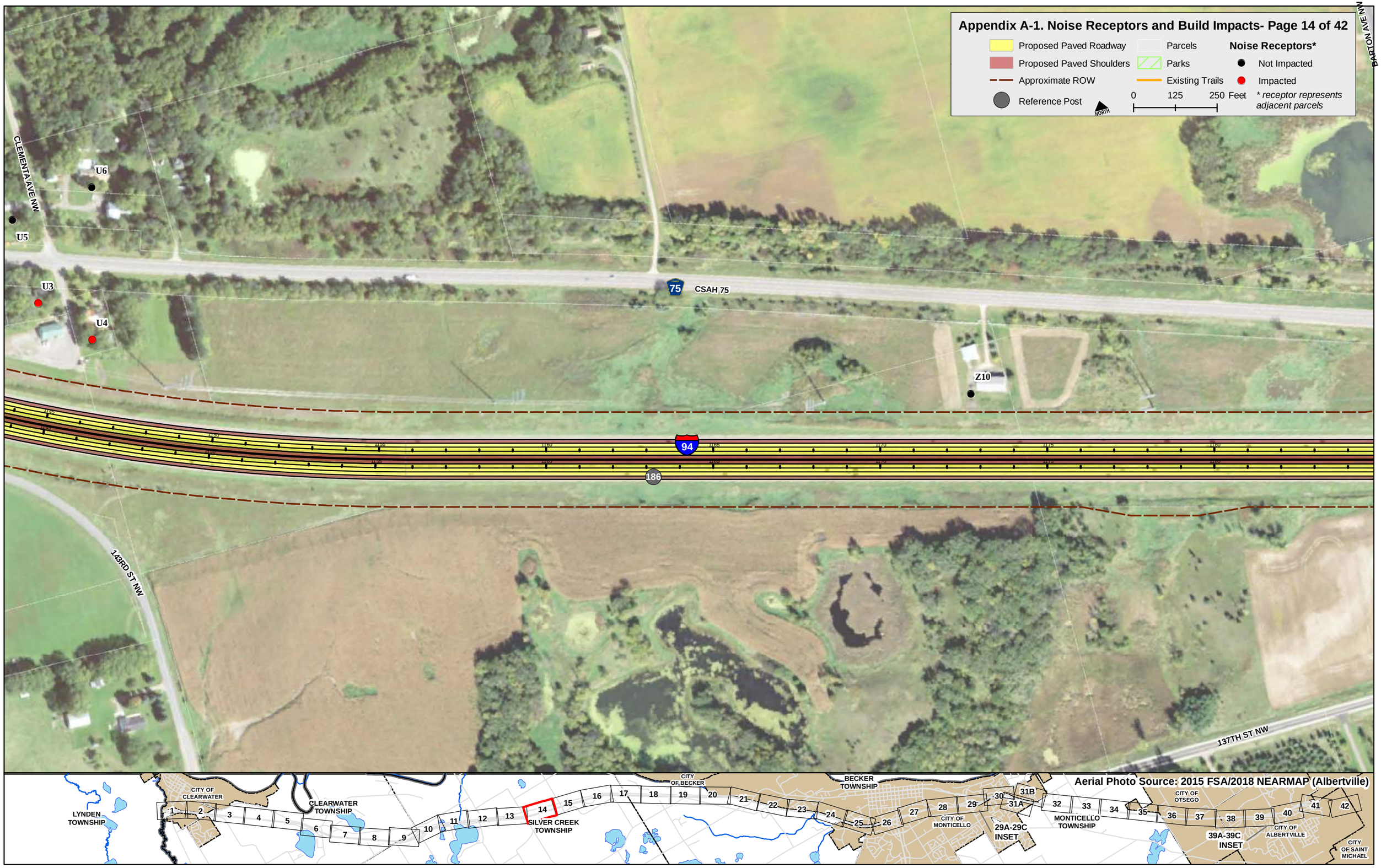
Noise Receptors*
Not Impacted
Impacted

0 125 250 Feet

** receptor represents adjacent parcels*

NORTH

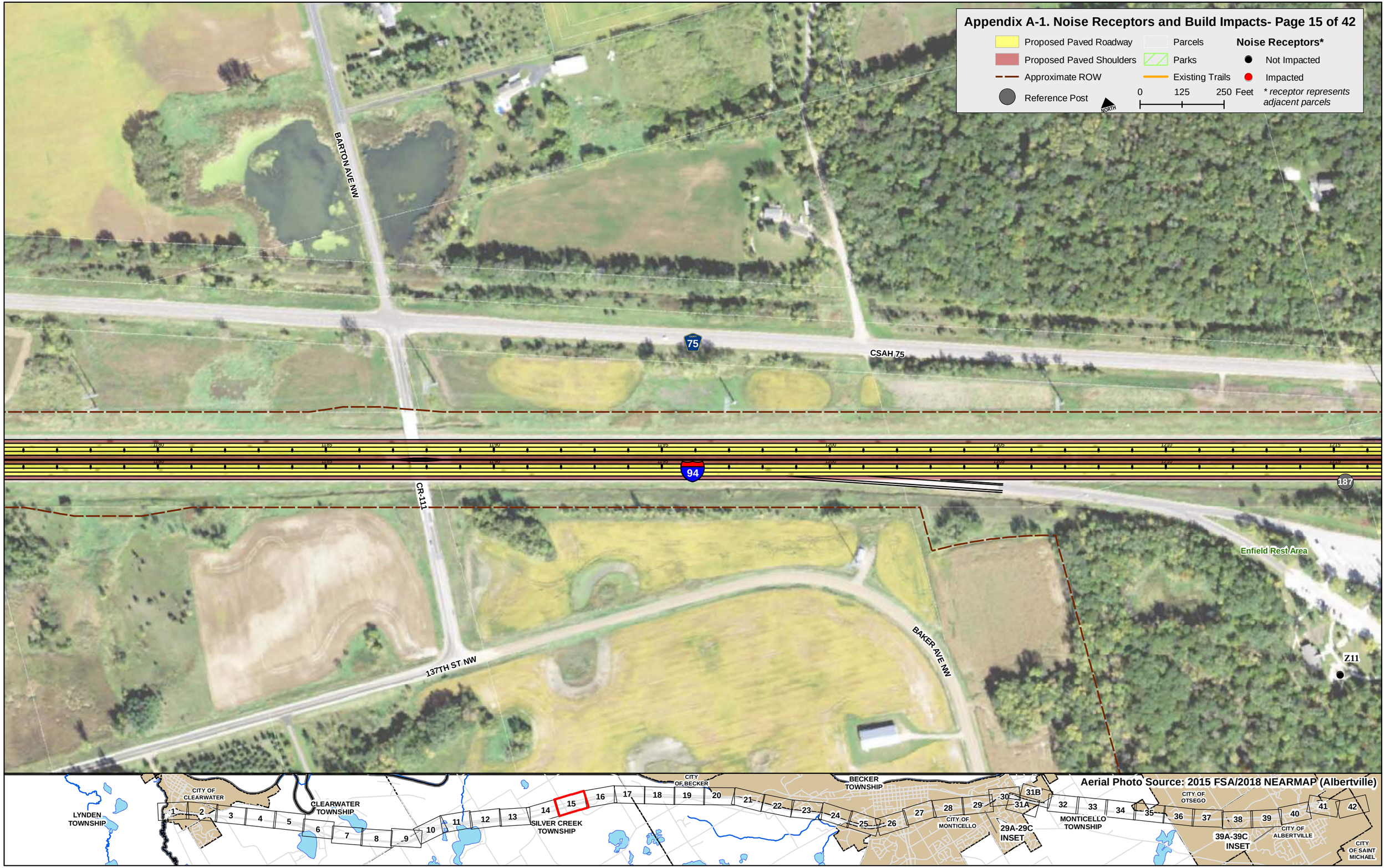



Appendix A-1. Noise Receptors and Build Impacts- Page 14 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
0 125 250 Feet
NORTH
CLEMENTA AVE NW
BARTON AVE NW
U6
U5
U3
U4
Z10
CSAH 75
94
186
143RD ST NW
137TH ST NW
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42

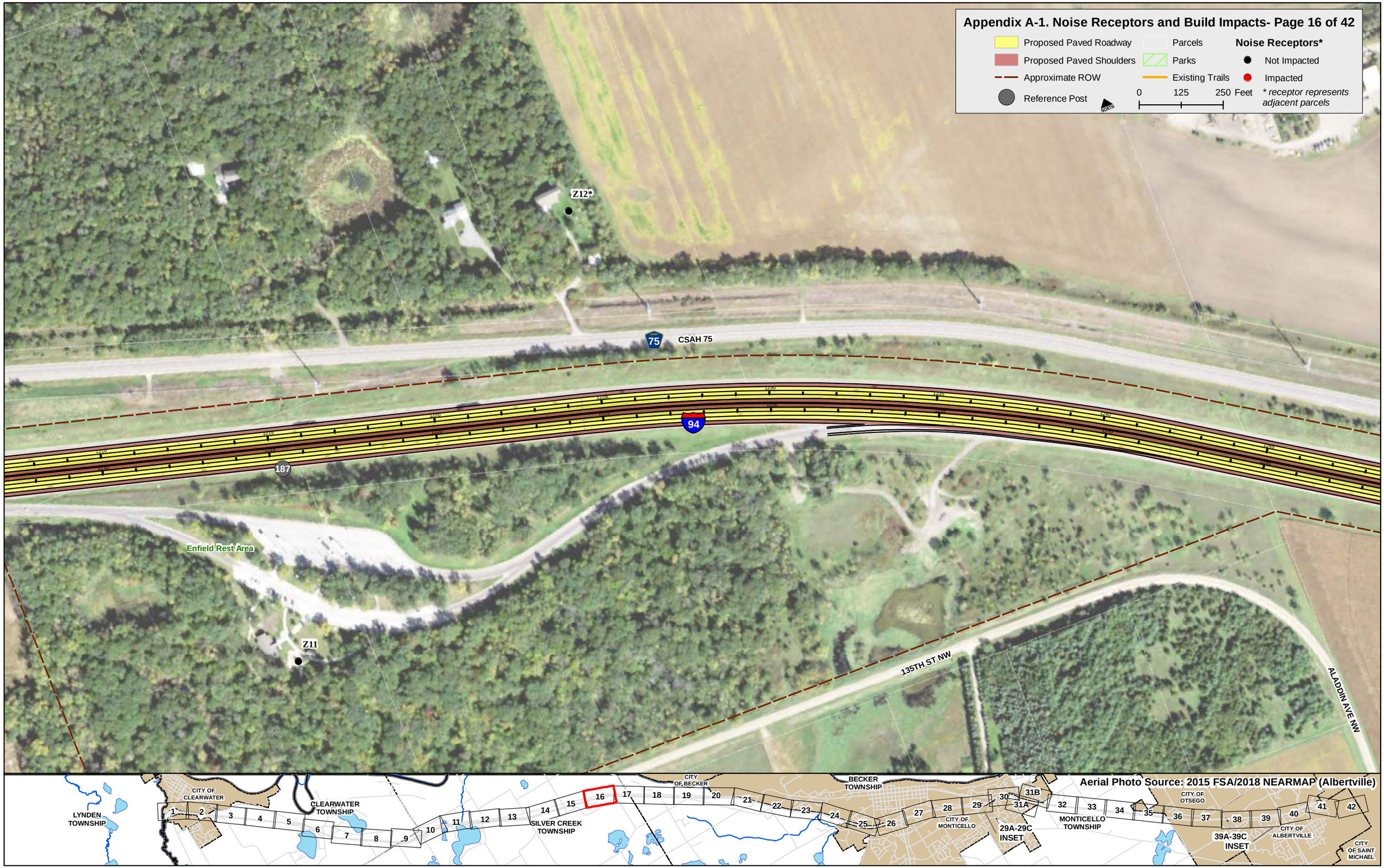
Appendix A-1. Noise Receptors and Build Impacts- Page 15 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*



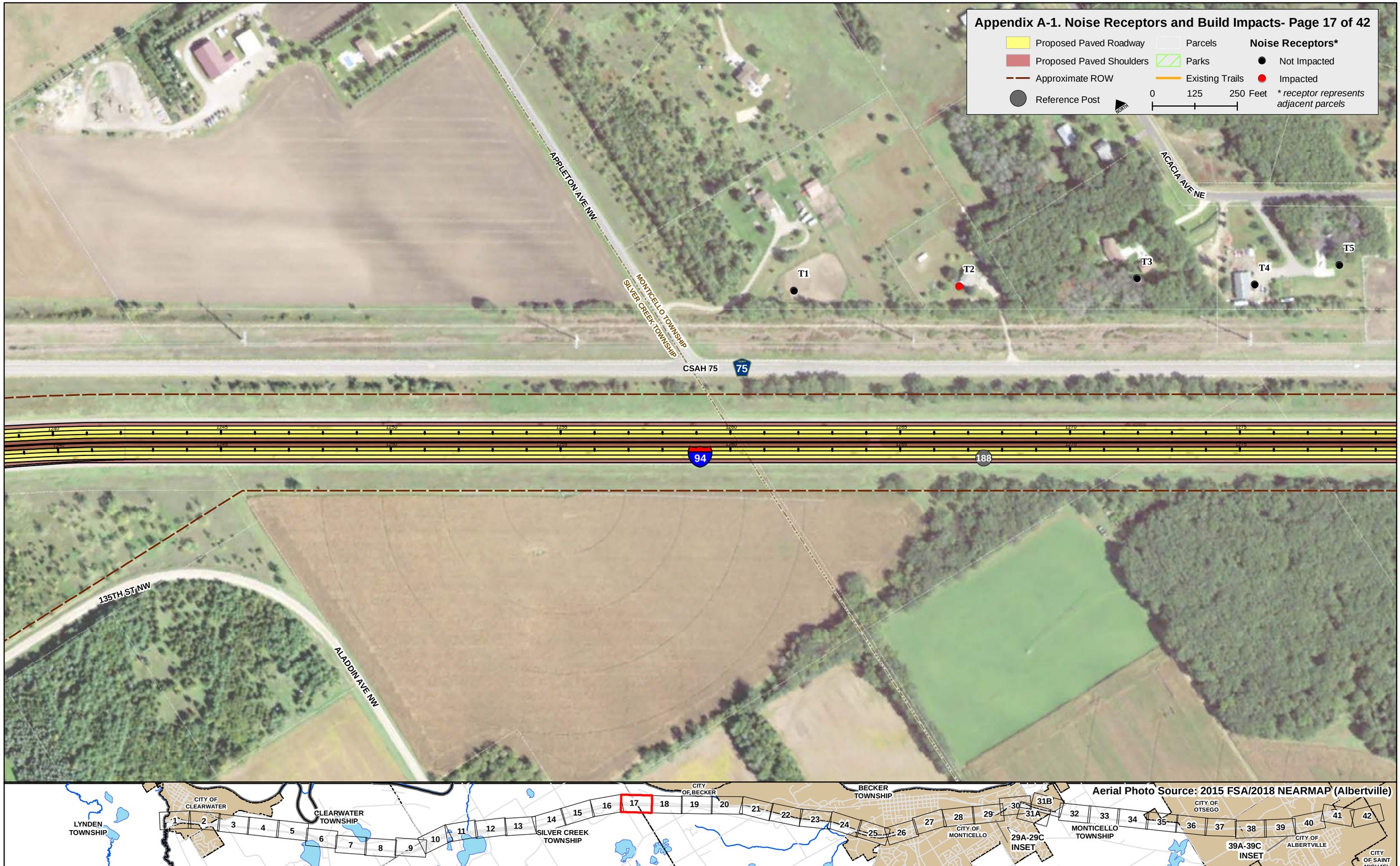
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)

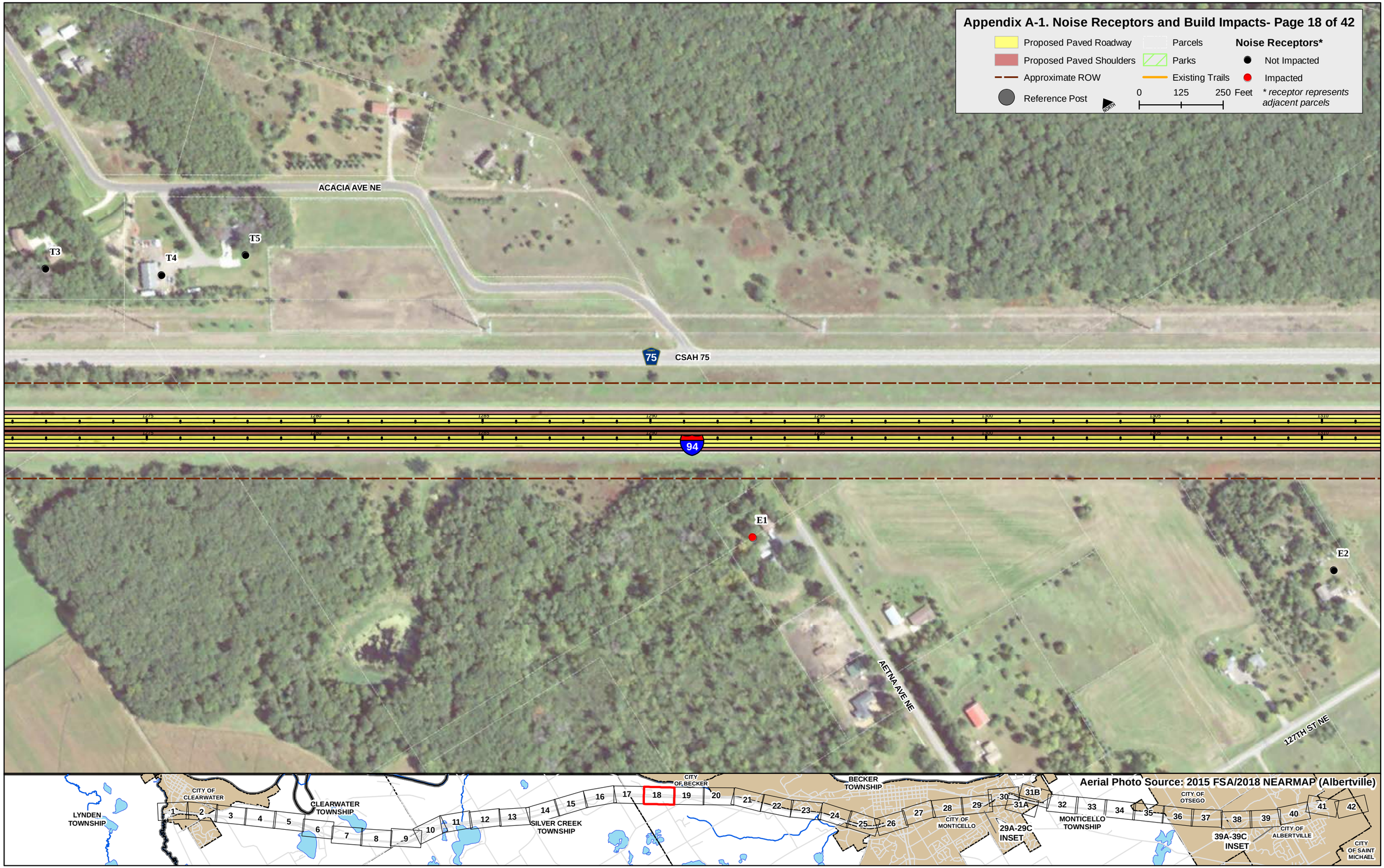

Appendix A-1. Noise Receptors and Build Impacts- Page 16 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
0 125 250 Feet
NORTH
Z12*
Z11
CSAH 75
94
187
Enfield Rest Area
135TH ST NW
ALADDIN AVE NW
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42

Appendix A-1. Noise Receptors and Build Impacts- Page 17 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
North

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*

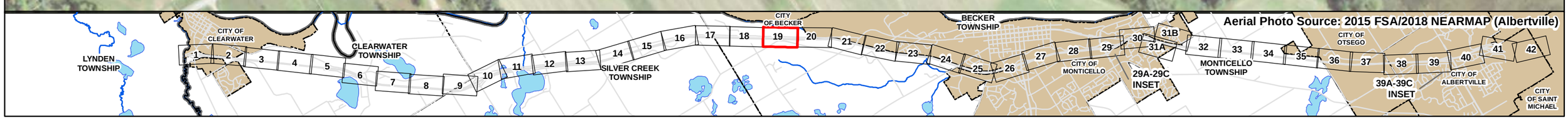



Appendix A-1. Noise Receptors and Build Impacts- Page 18 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
ACACIA AVE NE
T3
T4
T5
CSAH 75
94
E1
E2
AETNA AVE NE
127TH ST NE
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42

Appendix A-1. Noise Receptors and Build Impacts- Page 19 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH

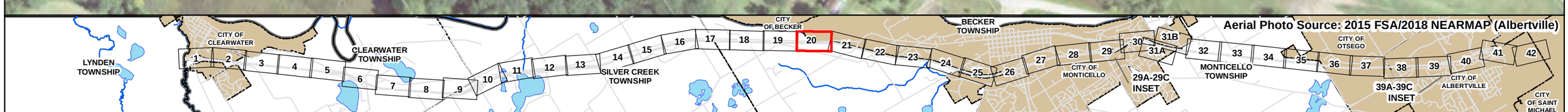
Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*



Appendix A-1. Noise Receptors and Build Impacts- Page 20 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH

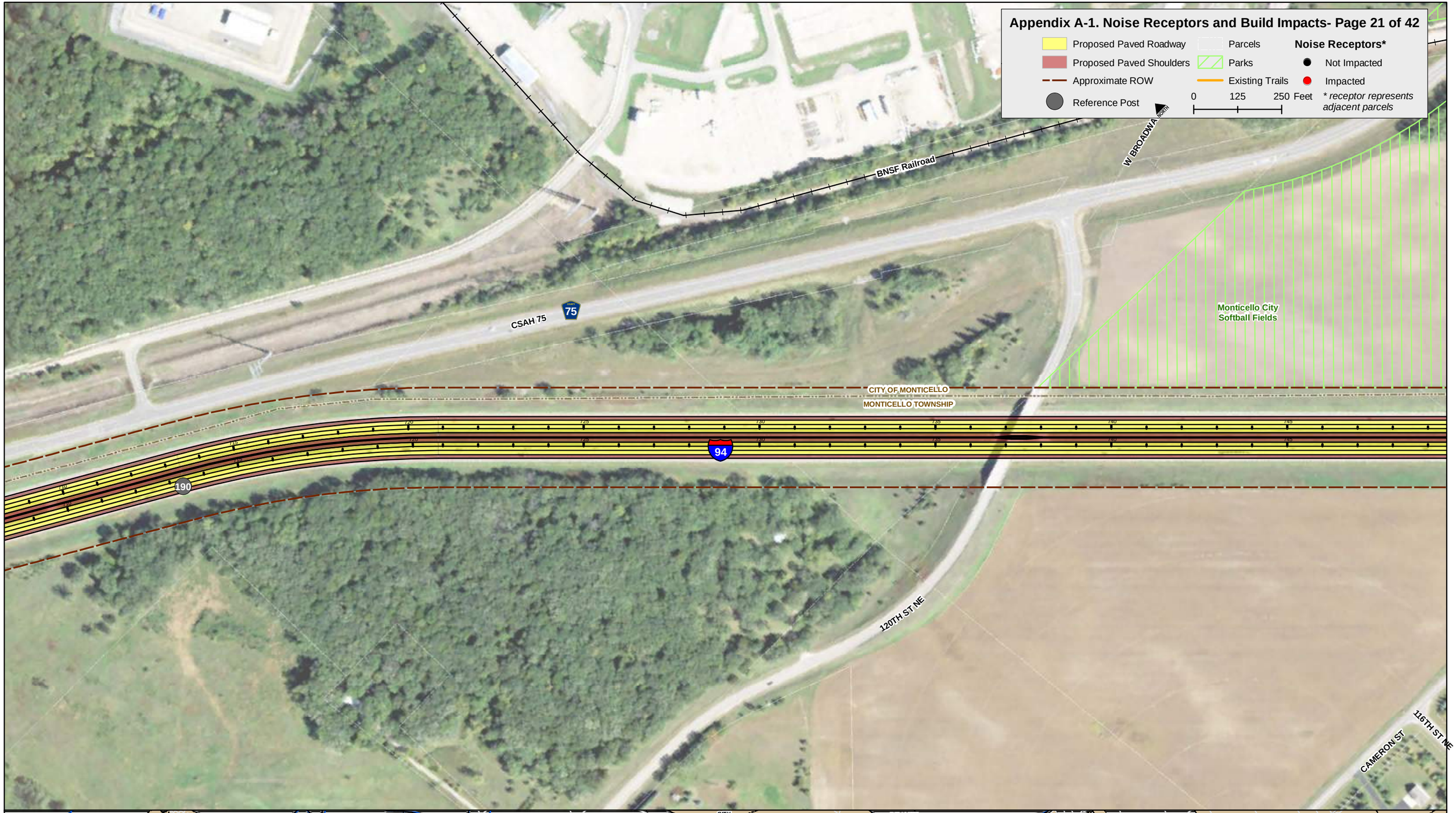
Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*

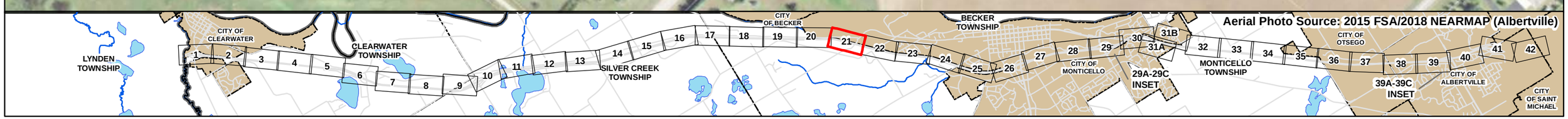


Appendix A-1. Noise Receptors and Build Impacts- Page 21 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*



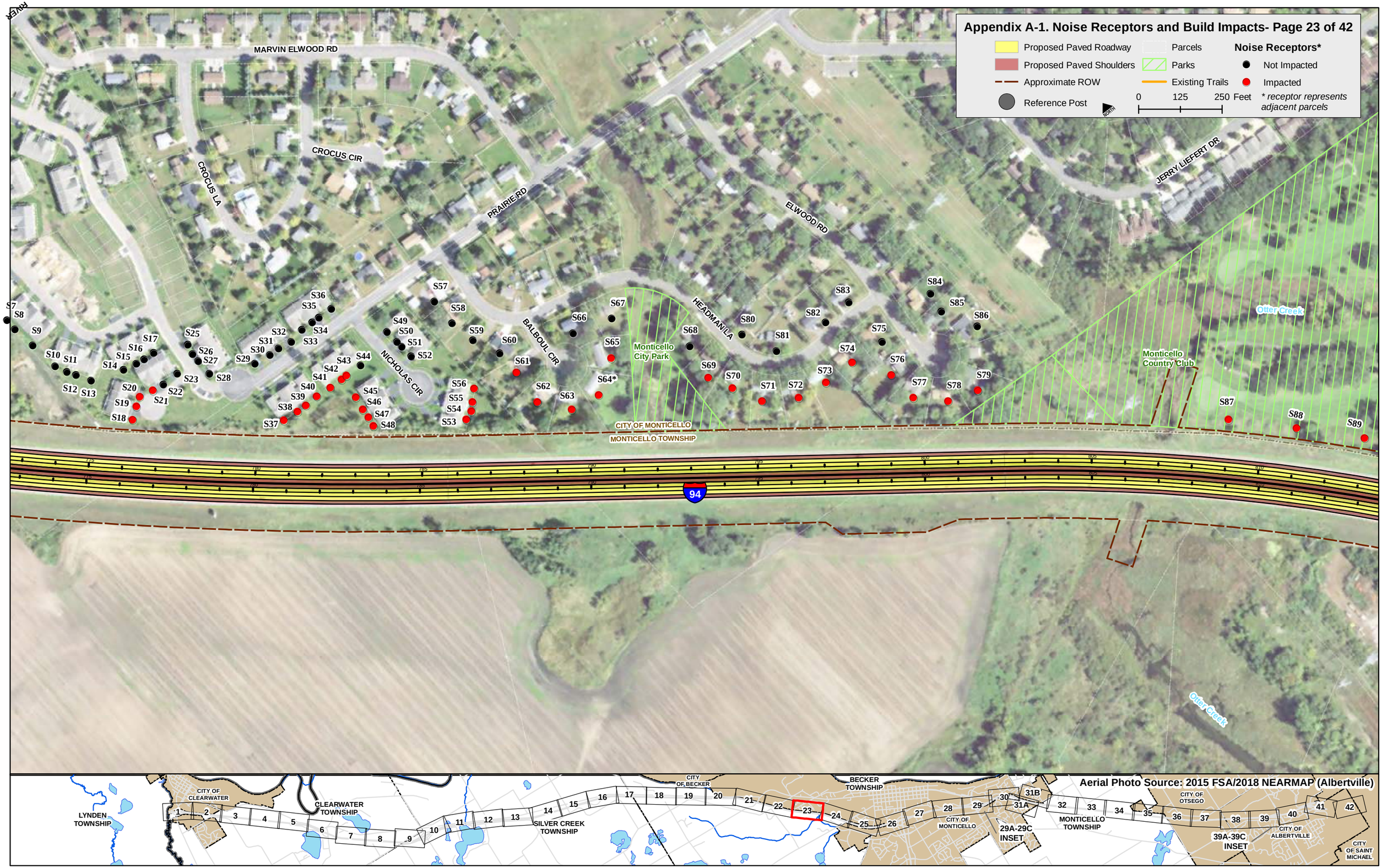


Appendix A-1. Noise Receptors and Build Impacts- Page 22 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
0 125 250 Feet
* receptor represents adjacent parcels
NORTH
BNSF Railroad
W BROADWAY ST
75
Monticello City Softball Fields
Monticello City Softball Fields
W RIVER ST
CROCUS LA
CROCUS CIR
PRAIRIE RD
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12
S13
S14
S15
S16
S17
S18
S19
S20
S21
S22
S23
S25
S26
S27
S28
S29
S30
S31
S32
S33
S34
S35
S36
S37
S38
S39
S40
S41
CITY OF MONTICELLO
MONTICELLO TOWNSHIP
94
191
CAMERON ST
116TH ST NE
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL

Appendix A-1. Noise Receptors and Build Impacts- Page 23 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
North

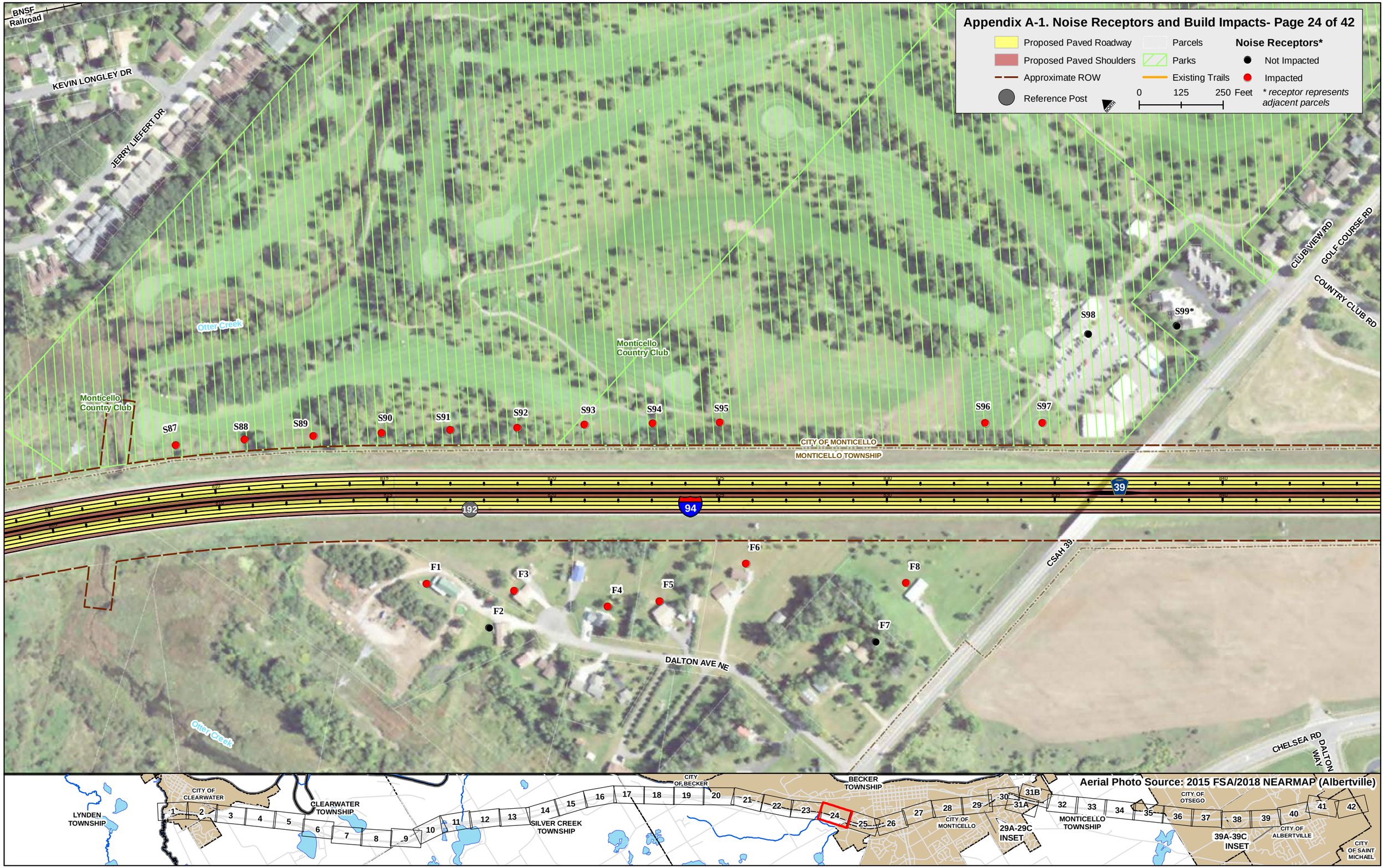
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels



Appendix A-1. Noise Receptors and Build Impacts- Page 24 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
North

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*



Appendix A-1. Noise Receptors and Build Impacts- Page 25 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
North

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*

EAGLE CIR
SANDTRAP CIR
CLUB VIEW RD
GOLF COURSE RD
CENTER CIR
FAIRWAY DR
BUNKER CIR
COUNTRY CLUB RD
MARVIN RD
39
R2
R1
193
S98
S99*
CSAH 39
CITY OF MONTICELLO
MONTICELLO TOWNSHIP
G2
94
G1
CHELSEA CT
CHELSEA RD
DALTON
90TH ST NE

Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)

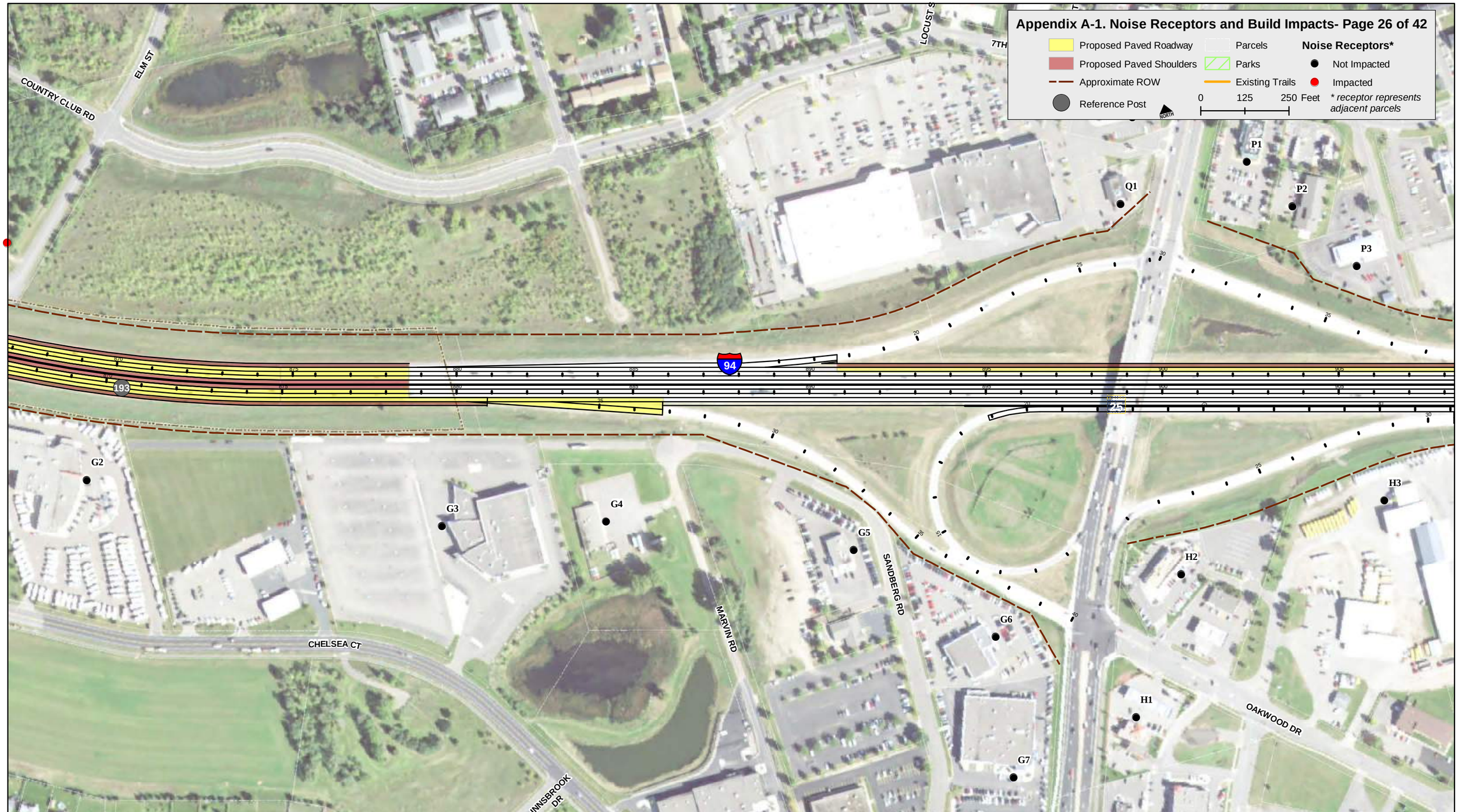
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42

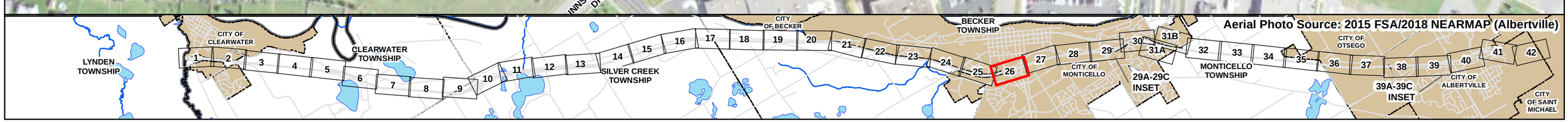
Appendix A-1. Noise Receptors and Build Impacts- Page 26 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*



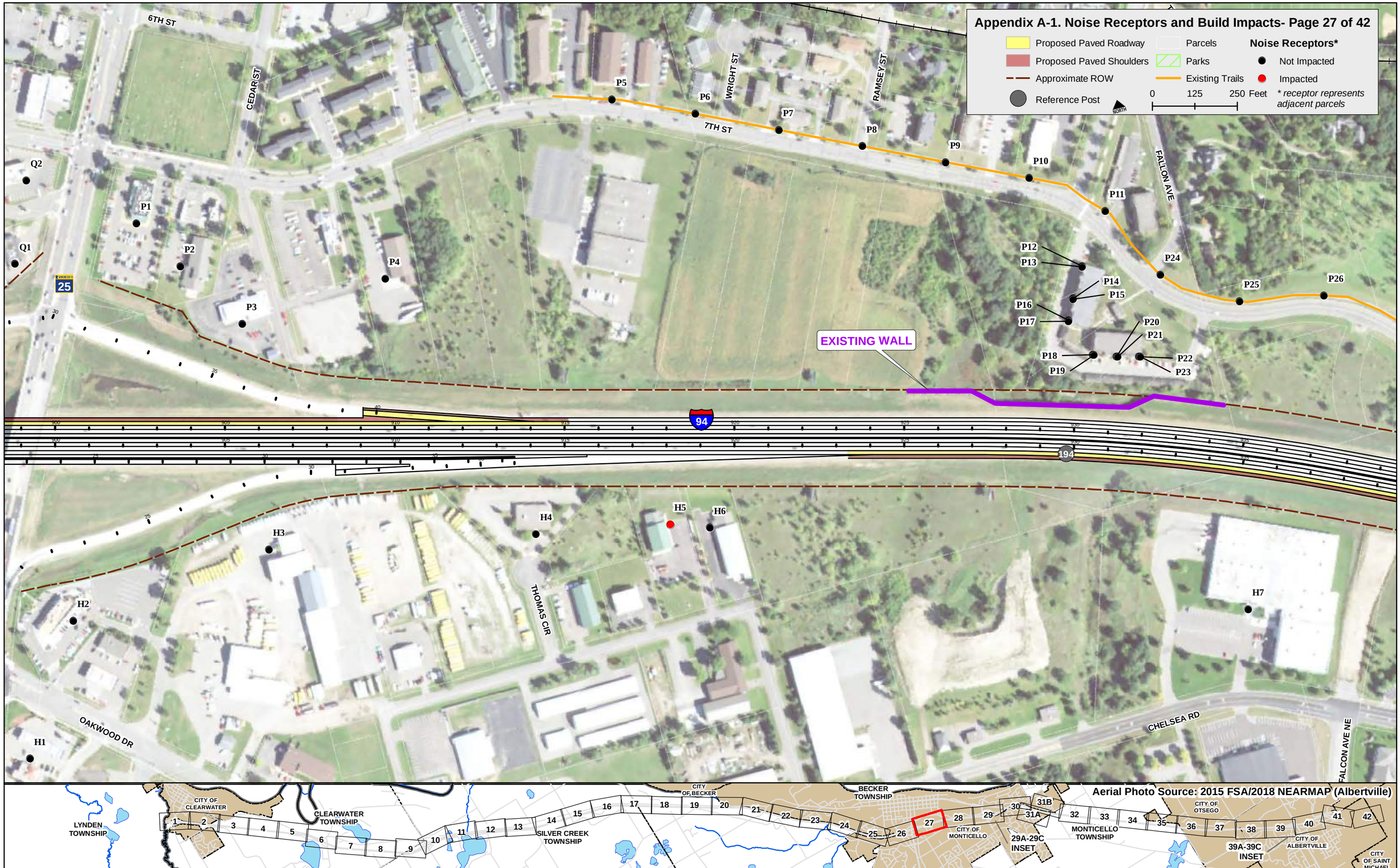
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)



Appendix A-1. Noise Receptors and Build Impacts- Page 27 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH

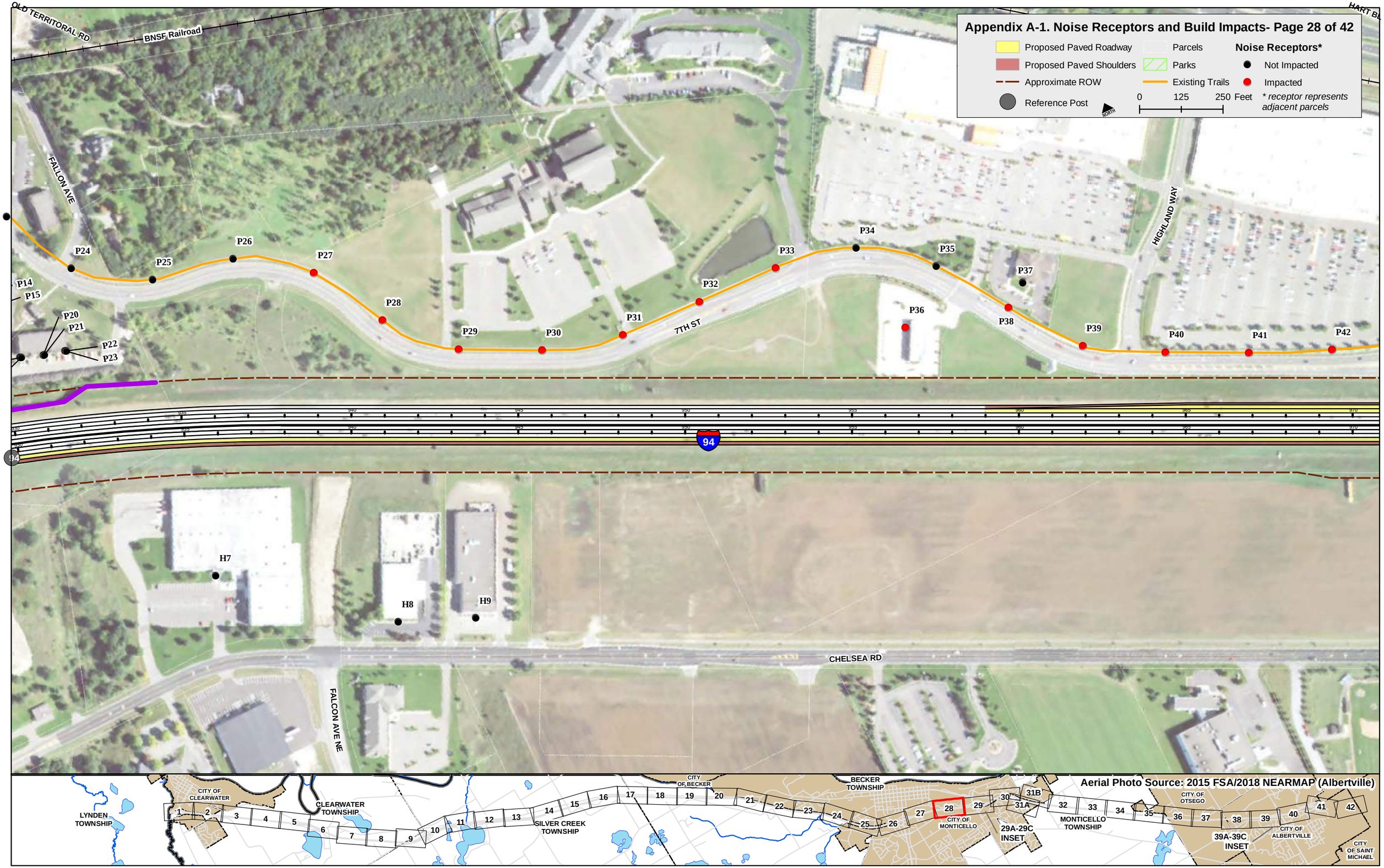
Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*



Appendix A-1. Noise Receptors and Build Impacts- Page 28 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH

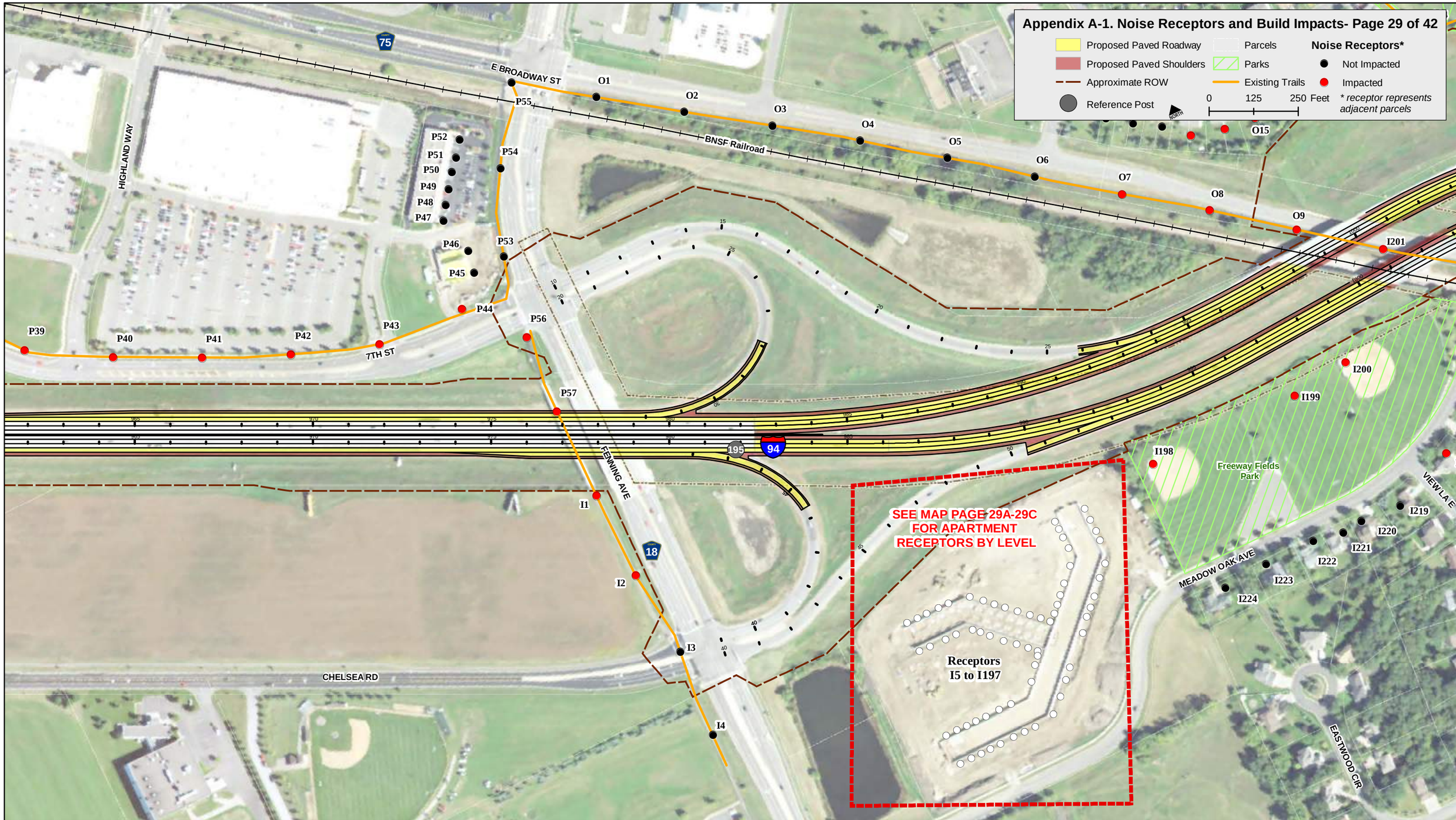
Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*



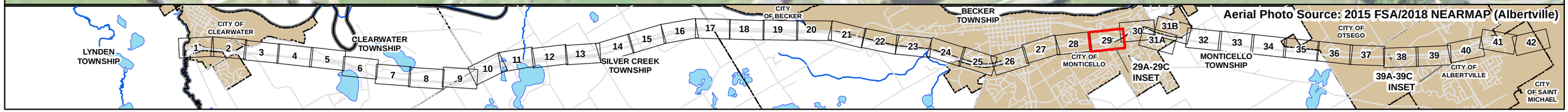
Appendix A-1. Noise Receptors and Build Impacts- Page 29 of 42

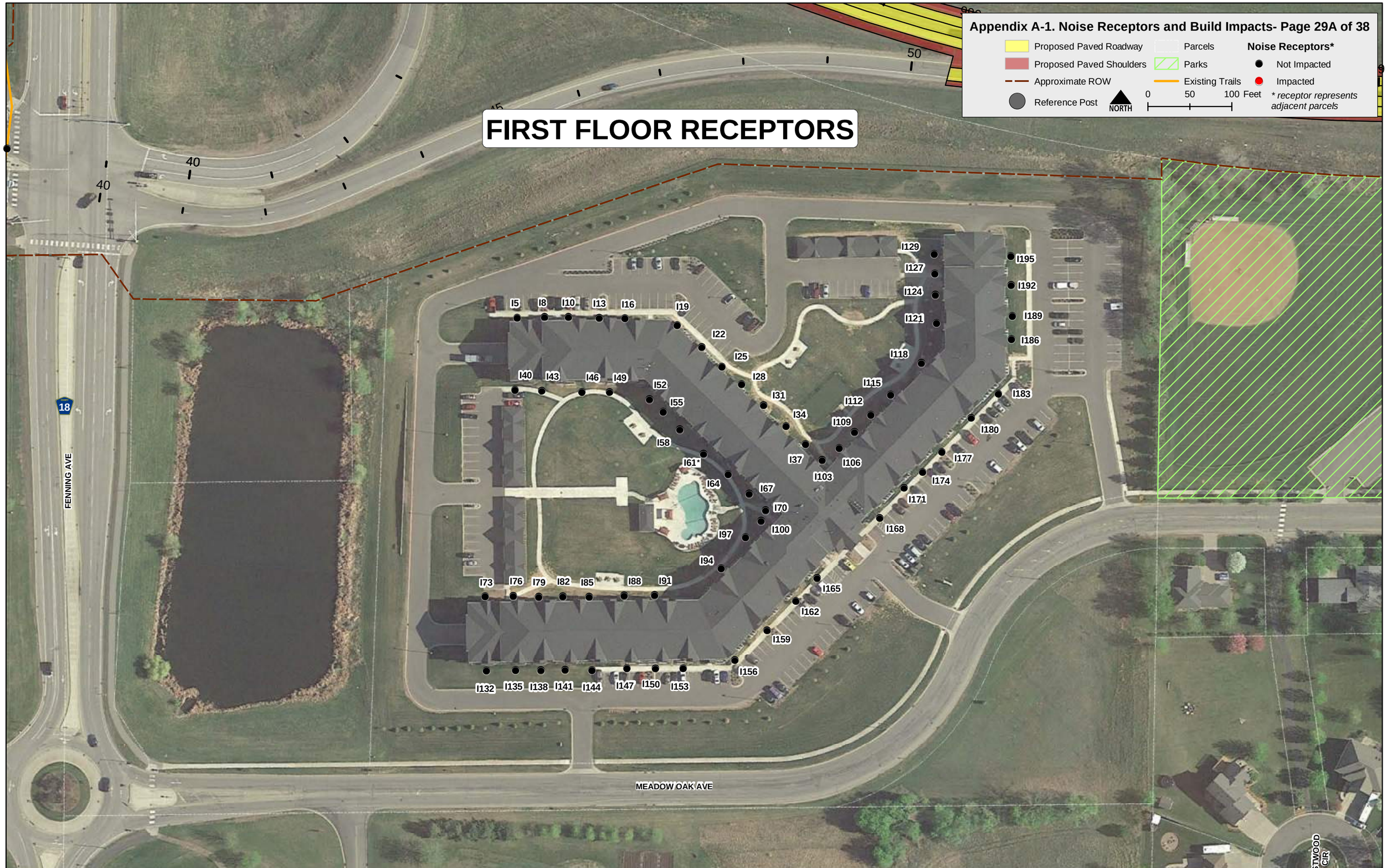
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH

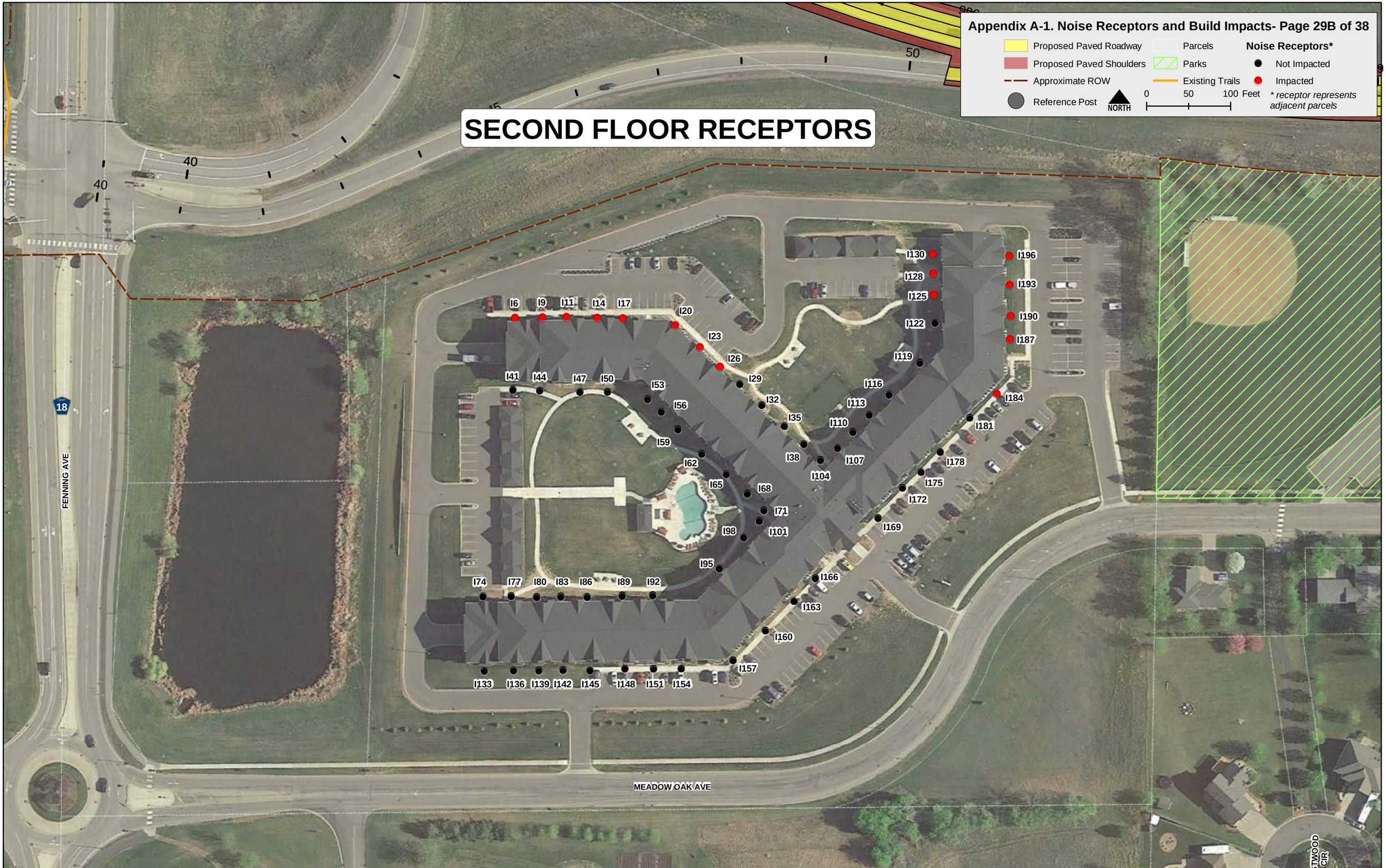
Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*

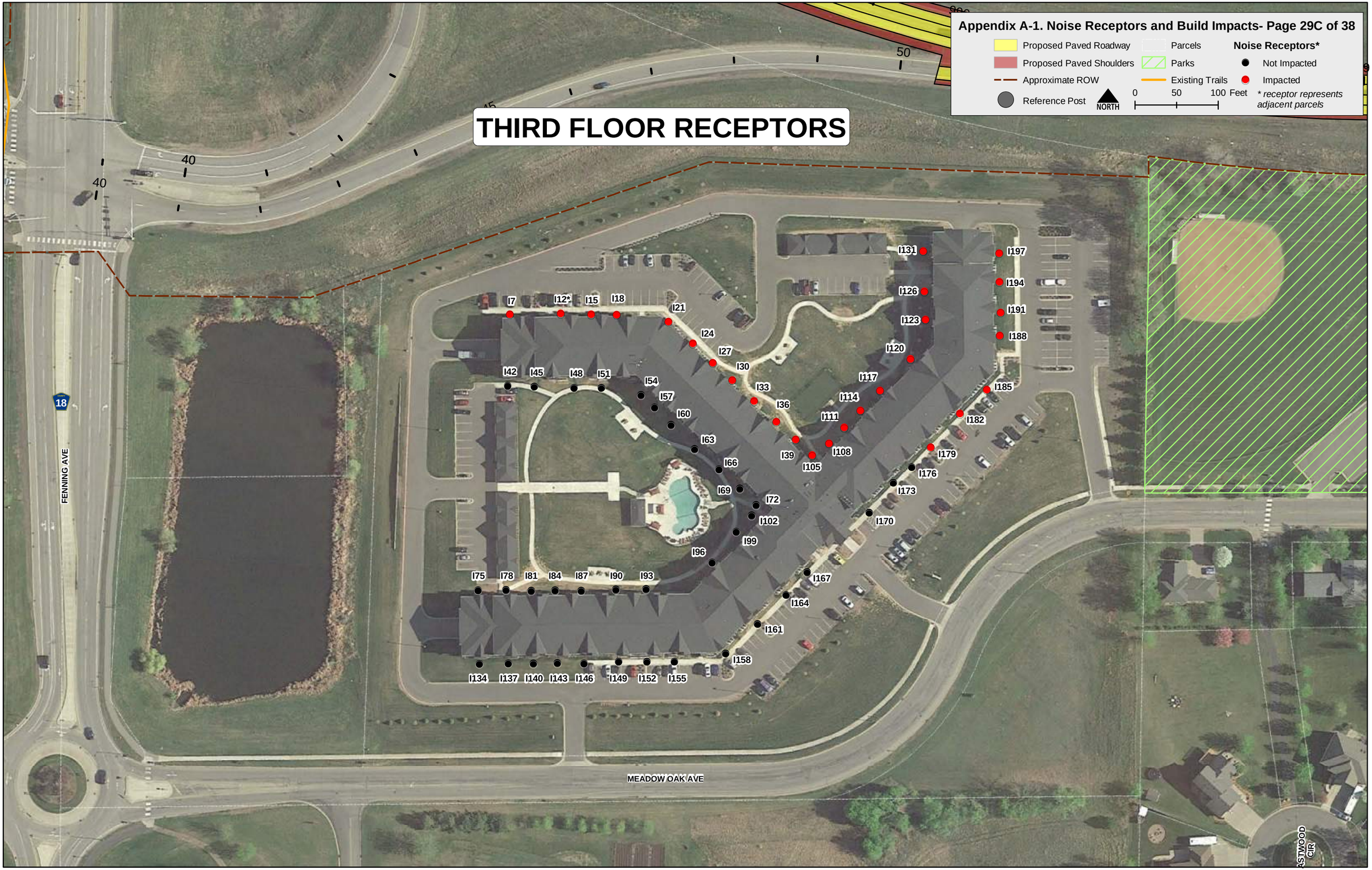


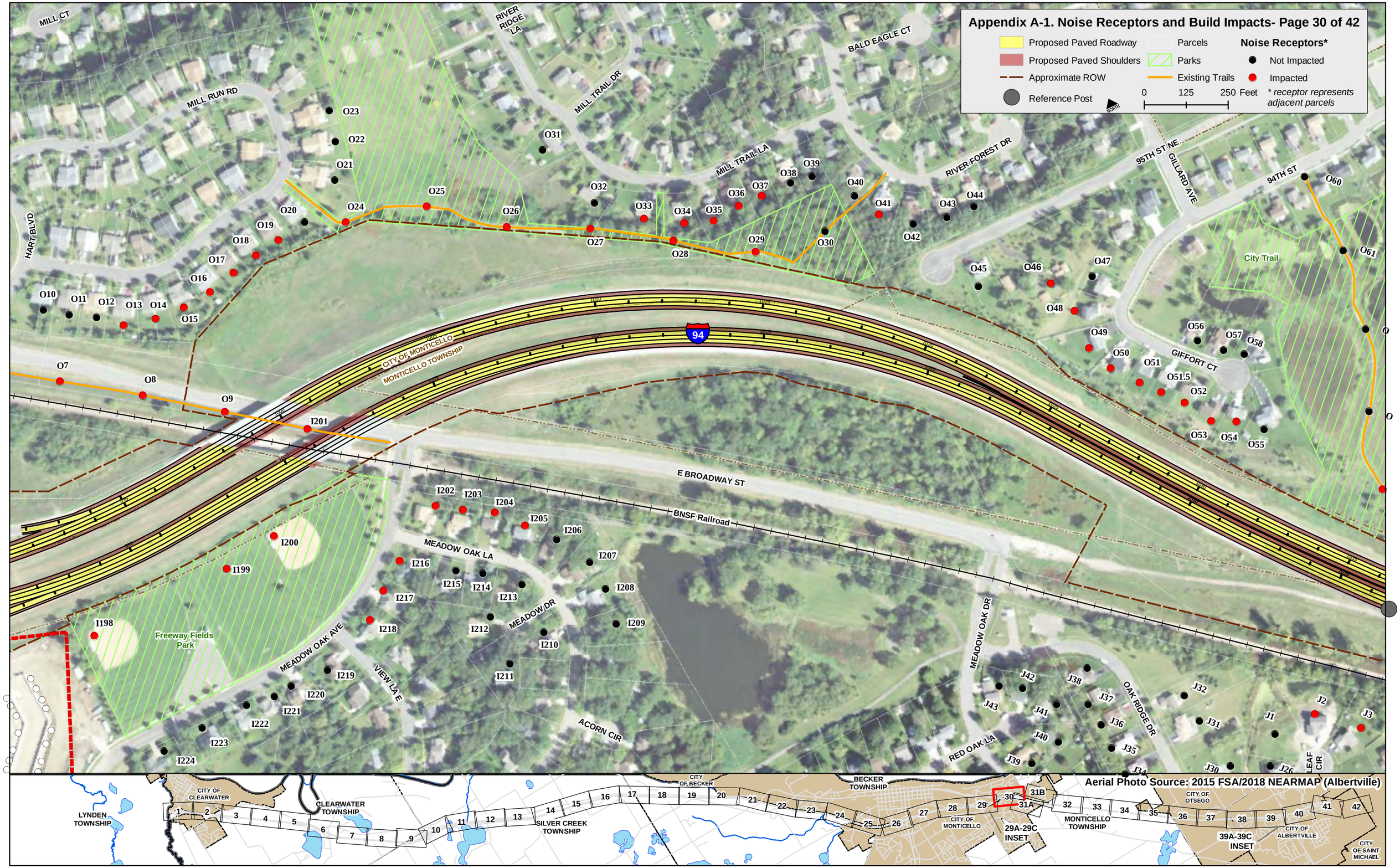
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)




Appendix A-1. Noise Receptors and Build Impacts- Page 29A of 38
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
NORTH
0 50 100 Feet
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
FIRST FLOOR RECEPTORS
50
45
40
40
18
FENNING AVE
MEADOW OAK AVE
I5
I8
I10
I13
I16
I19
I22
I25
I28
I31
I34
I37
I40
I43
I46
I49
I52
I55
I58
I61*
I64
I67
I70
I73
I76
I79
I82
I85
I88
I91
I94
I97
I100
I103
I106
I109
I112
I115
I118
I121
I124
I127
I129
I132
I135
I138
I141
I144
I147
I150
I153
I156
I159
I162
I165
I168
I171
I174
I177
I180
I183
I186
I189
I192
I195


Appendix A-1. Noise Receptors and Build Impacts- Page 29B of 38
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
NORTH
0 50 100 Feet
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
SECOND FLOOR RECEPTORS
FENNING AVE
MEADOW OAK AVE
18
40
40
45
50
I6 I9 I11 I14 I17 I20 I23 I26 I29 I32 I35 I38 I41 I44 I47 I50 I53 I56 I59 I62 I65 I68 I71 I74 I77 I80 I83 I86 I89 I92 I95 I98 I101 I104 I107 I110 I113 I116 I119 I122 I125 I128 I130
I133 I136 I139 I142 I145 I148 I151 I154 I157 I160 I163 I166 I169 I172 I175 I178 I181 I184 I187 I190 I193 I196


Appendix A-1. Noise Receptors and Build Impacts- Page 29C of 38
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
NORTH
0 50 100 Feet
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
THIRD FLOOR RECEPTORS
FENNING AVE
MEADOW OAK AVE
18
40
40
45
50
I7
I12*
I15
I18
I21
I24
I27
I30
I33
I36
I39
I42
I45
I48
I51
I54
I57
I60
I63
I66
I69
I72
I75
I78
I81
I84
I87
I90
I93
I96
I99
I102
I105
I108
I111
I114
I117
I120
I123
I126
I131
I134
I137
I140
I143
I146
I149
I152
I155
I158
I161
I164
I167
I170
I173
I176
I179
I182
I185
I188
I191
I194
I197


Appendix A-1. Noise Receptors and Build Impacts- Page 30 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
MILL CT
RIVER RIDGE LA
BALD EAGLE CT
MILL RUN RD
MILL TRAIL DR
MILL TRAIL LA
RIVER FOREST DR
95TH ST NE
GILLARD AVE
94TH ST
HART BLVD
City Trail
GIFFORT CT
CITY OF MONTICELLO
MONTICELLO TOWNSHIP
94
E BROADWAY ST
BNSF Railroad
MEADOW OAK LA
MEADOW DR
MEADOW OAK AVE
VIEW LA E
ACORN CIR
MEADOW OAK DR
OAK RIDGE DR
RED OAK LA
LEAF CIR
Freeway Fields Park
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL

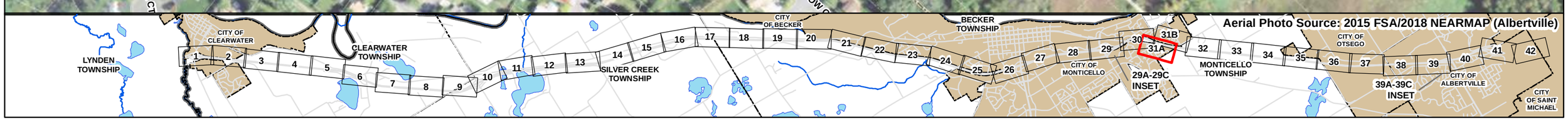
Appendix A-1. Noise Receptors and Build Impacts- Page 31A of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails

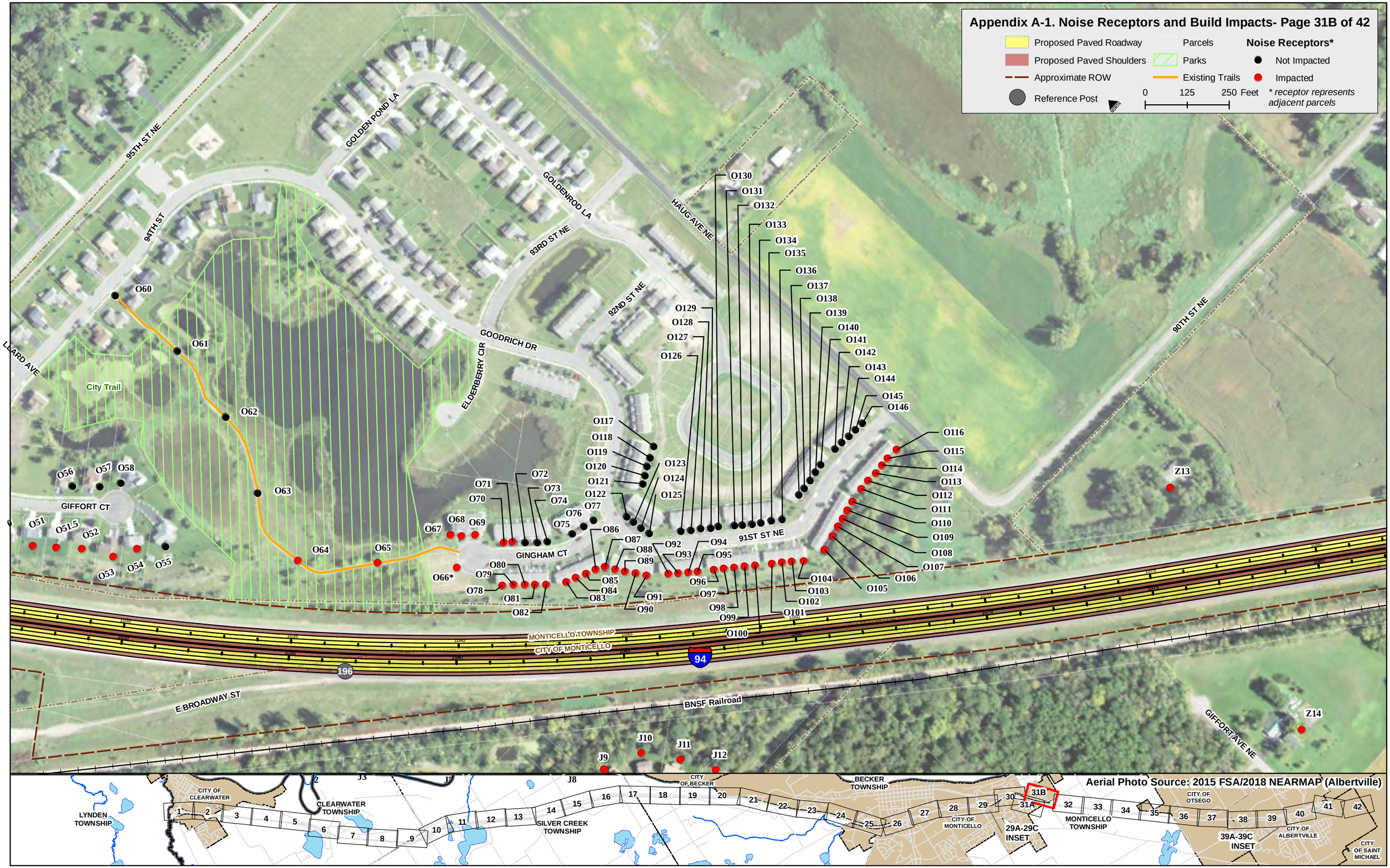
Noise Receptors*
Not Impacted
Impacted

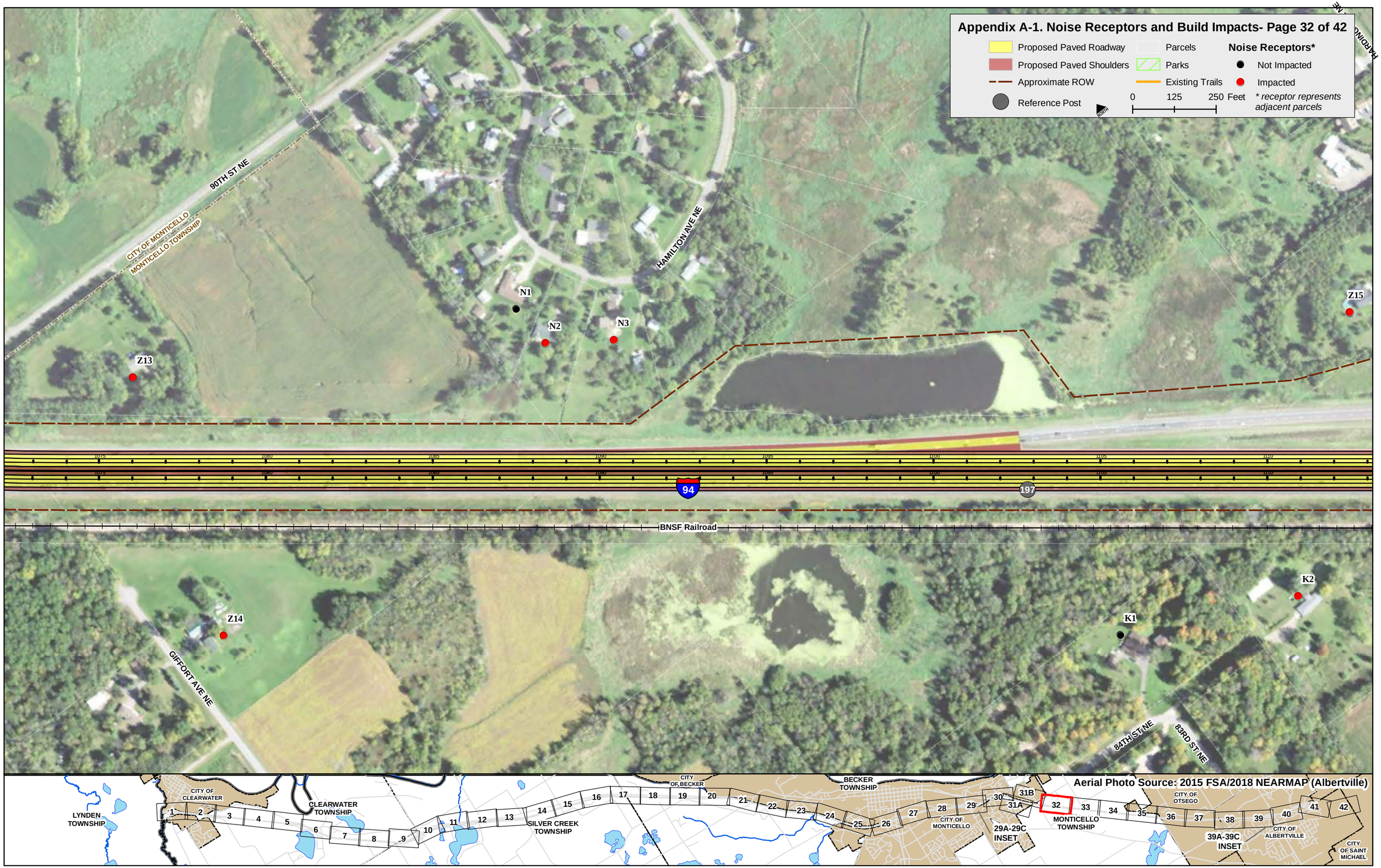
0 125 250 Feet

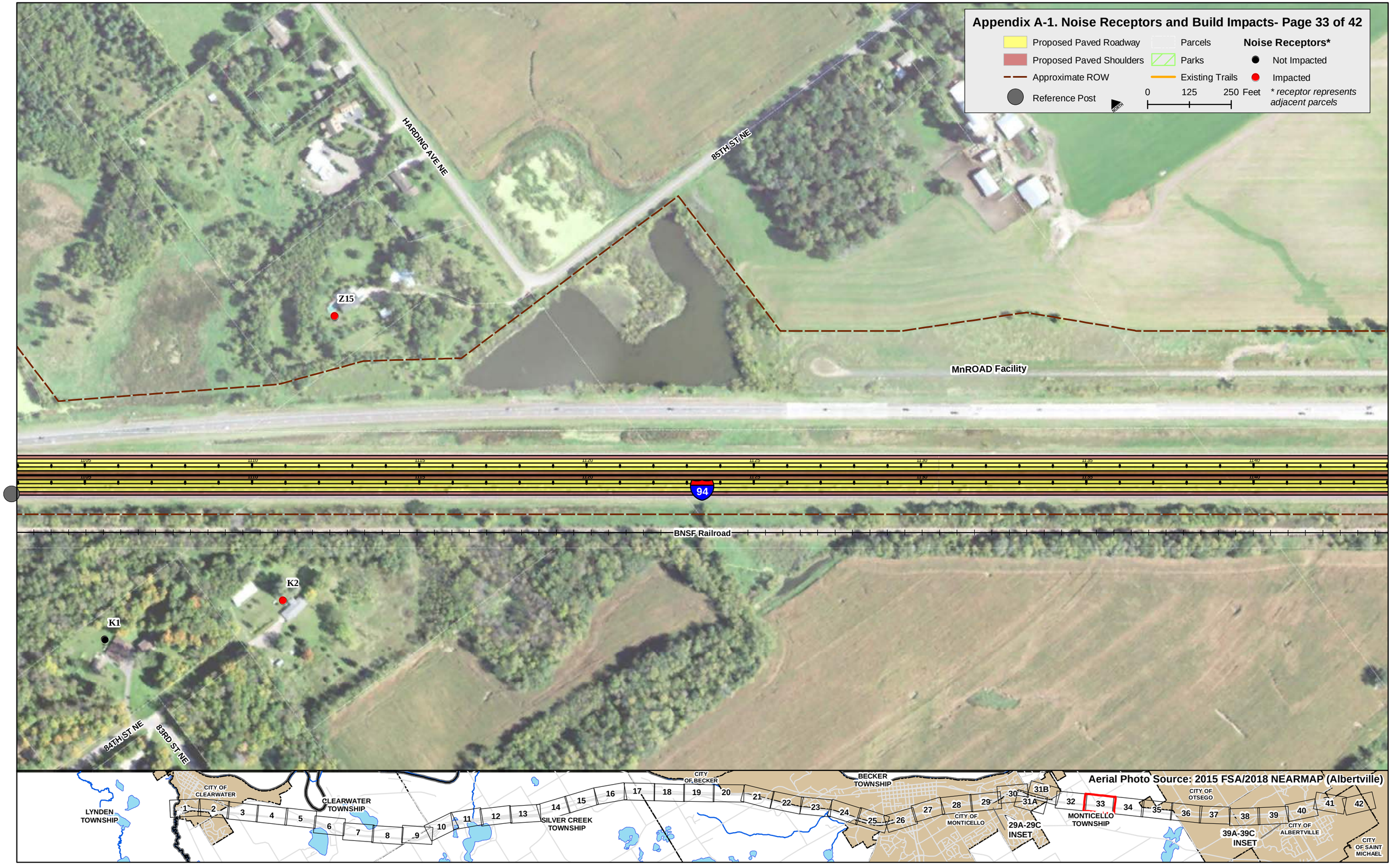
** receptor represents adjacent parcels*



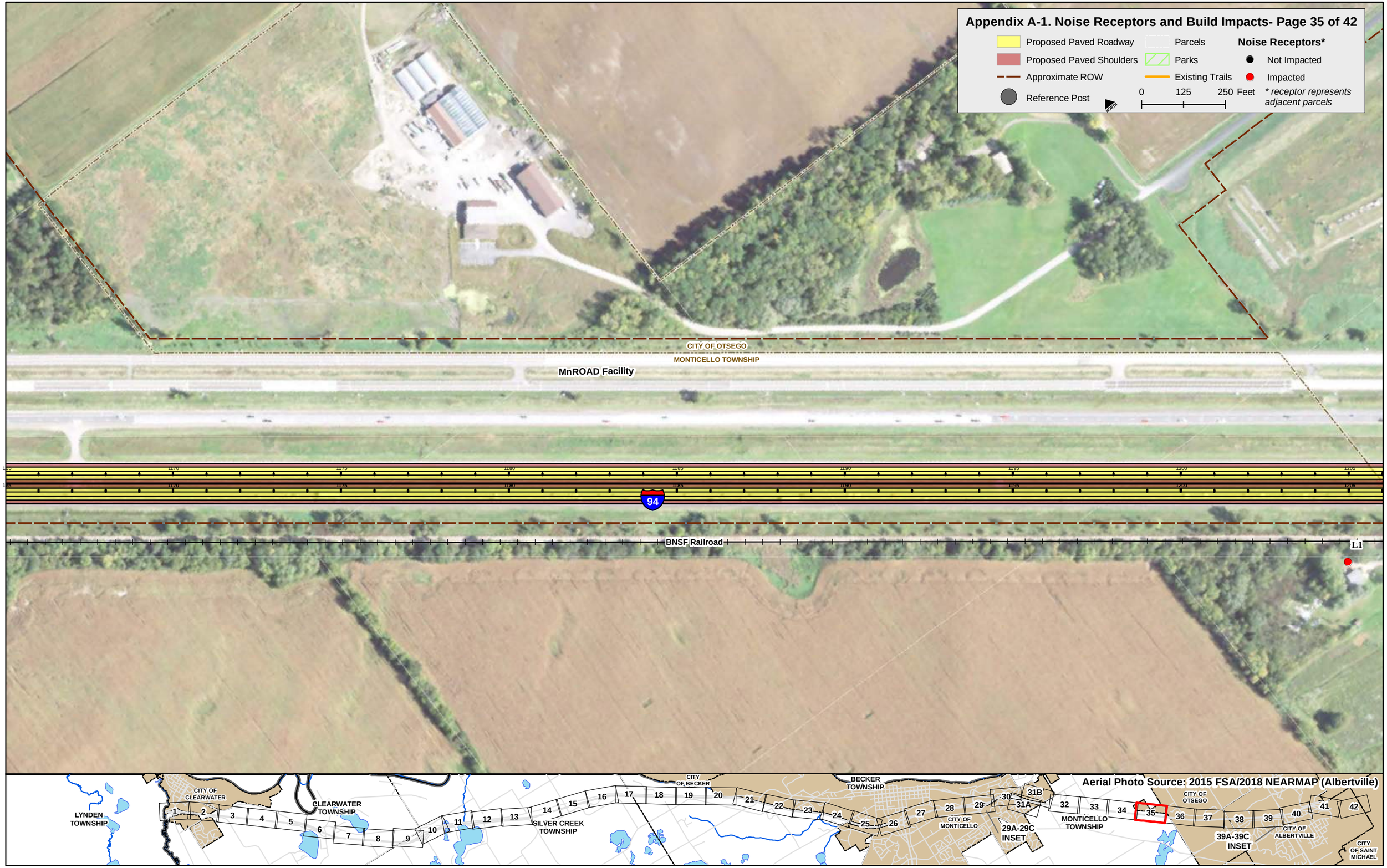
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)


Appendix A-1. Noise Receptors and Build Impacts- Page 31B of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
0 125 250 Feet
north
95TH ST NE
94TH ST
LLARD AVE
City Trail
GOLDEN POND LA
GOLDENROD LA
93RD ST NE
92ND ST NE
GOODRICH DR
ELDERBERRY CIR
HAUG AVE NE
91ST ST NE
90TH ST NE
GIFFORT CT
GINGHAM CT
MONTICELLO TOWNSHIP
CITY OF MONTICELLO
E BROADWAY ST
BNSF Railroad
GIFFORT AVE NE
94
196
O51 O51.5 O52 O53 O54 O55 O56 O57 O58 O60 O61 O62 O63 O64 O65 O66* O67 O68 O69 O70 O71 O72 O73 O74 O75 O76 O77 O78 O79 O80 O81 O82 O83 O84 O85 O86 O87 O88 O89 O90 O91 O92 O93 O94 O95 O96 O97 O98 O99 O100 O101 O102 O103 O104 O105 O106 O107 O108 O109 O110 O111 O112 O113 O114 O115 O116 O117 O118 O119 O120 O121 O122 O123 O124 O125 O126 O127 O128 O129 O130 O131 O132 O133 O134 O135 O136 O137 O138 O139 O140 O141 O142 O143 O144 O145 O146
Z13 Z14
J9 J10 J11 J12
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42


Appendix A-1. Noise Receptors and Build Impacts- Page 32 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
0 125 250 Feet
* receptor represents adjacent parcels
90TH ST NE
CITY OF MONTICELLO
MONTICELLO TOWNSHIP
HAMILTON AVE NE
N1
N2
N3
Z13
Z15
94
197
BNSF Railroad
Z14
GIFFORT AVE NE
K1
K2
84TH ST NE
83RD ST NE
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL


Appendix A-1. Noise Receptors and Build Impacts- Page 33 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
HARDING AVE NE
85TH ST NE
Z15
MnROAD Facility
94
BNSF Railroad
K2
K1
84TH ST NE
83RD ST NE
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42

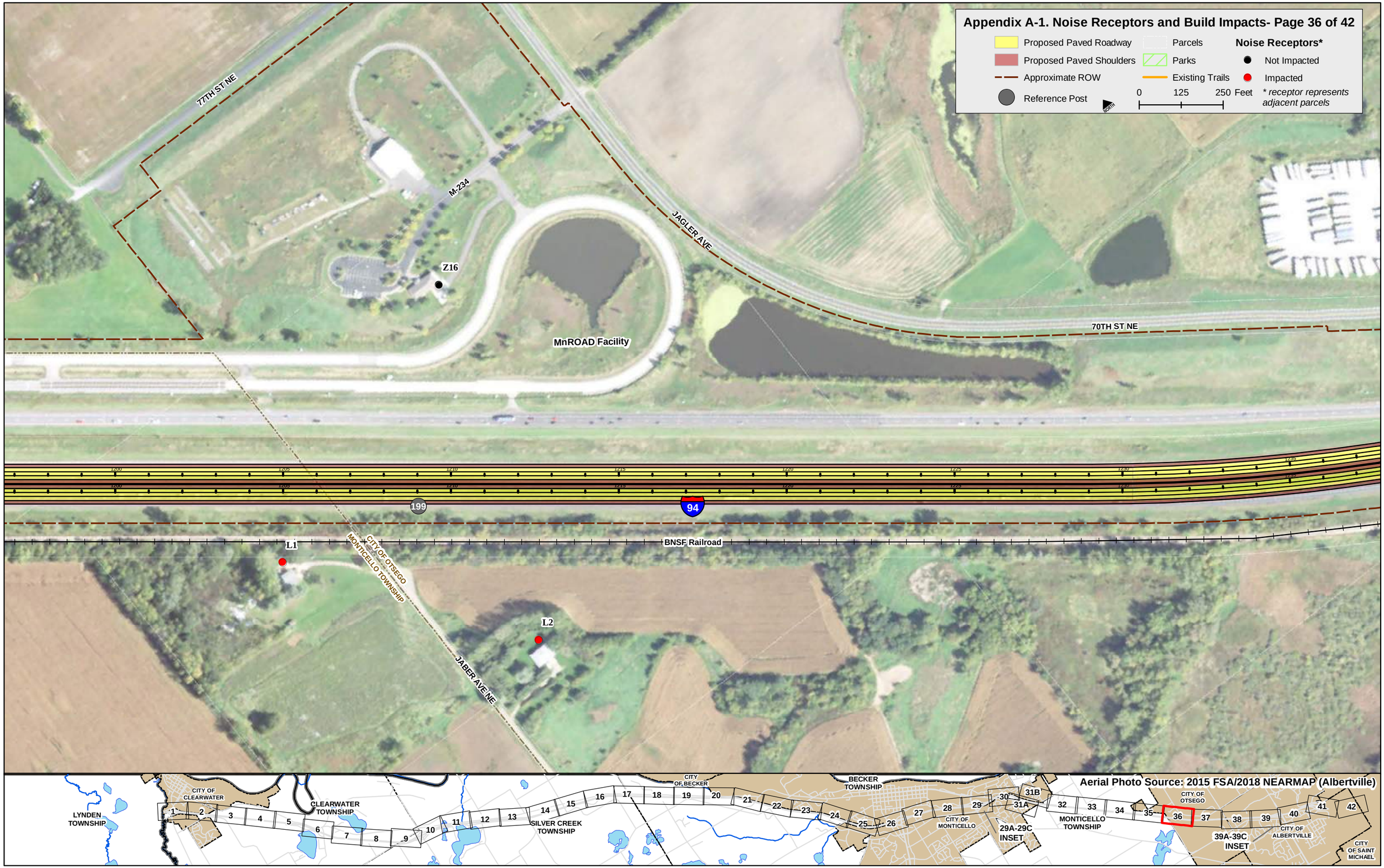
Appendix A-1. Noise Receptors and Build Impacts- Page 34 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
0 125 250 Feet
NORTH
CITY OF OTSEGO
MONTICELLO TOWNSHIP
MnROAD Facility
94
198
BNSF Railroad
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42

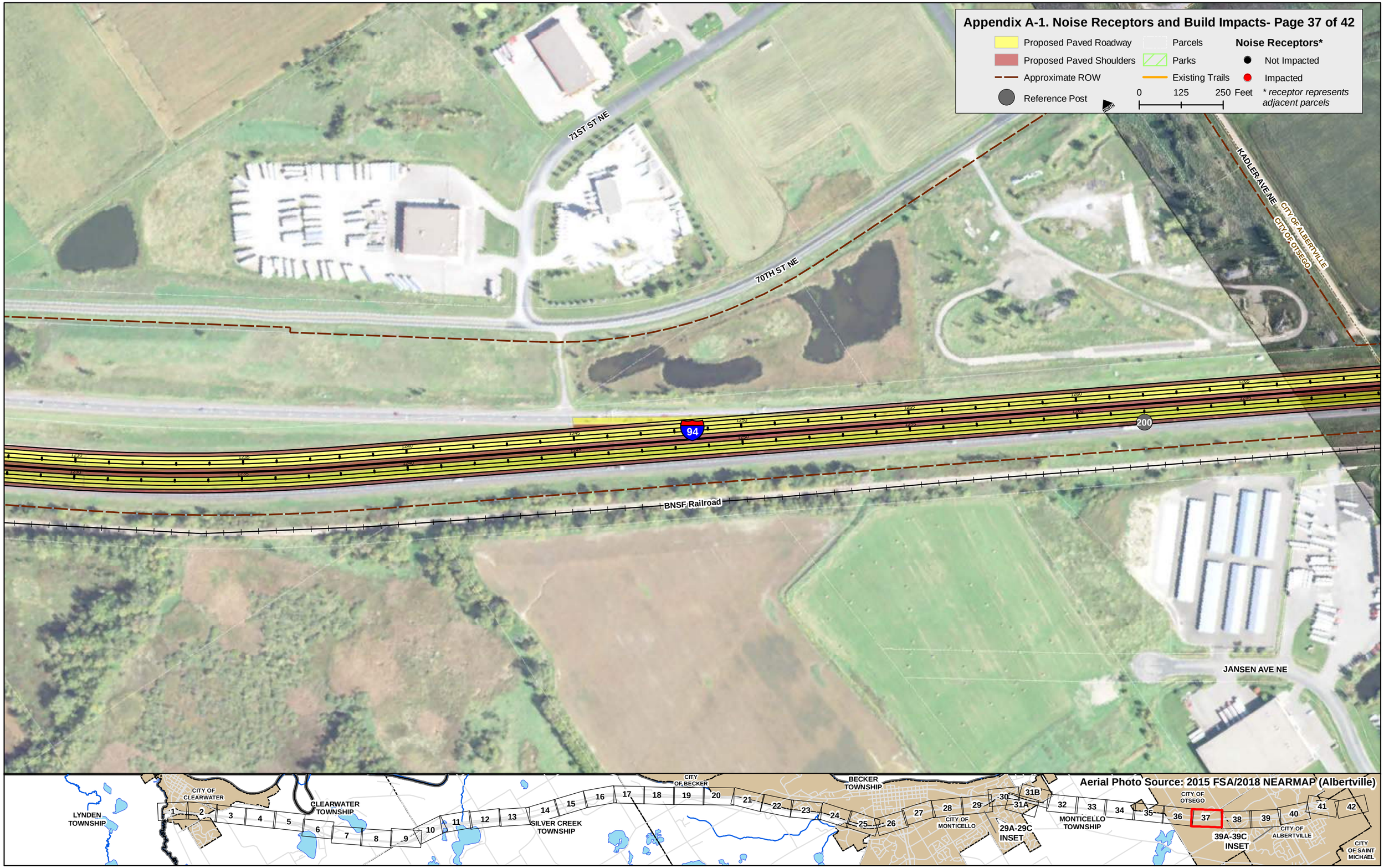

Appendix A-1. Noise Receptors and Build Impacts- Page 35 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
CITY OF OTSEGO
MONTICELLO TOWNSHIP
MnROAD Facility
94
BNSF Railroad
L1
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL

Appendix A-1. Noise Receptors and Build Impacts- Page 36 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*

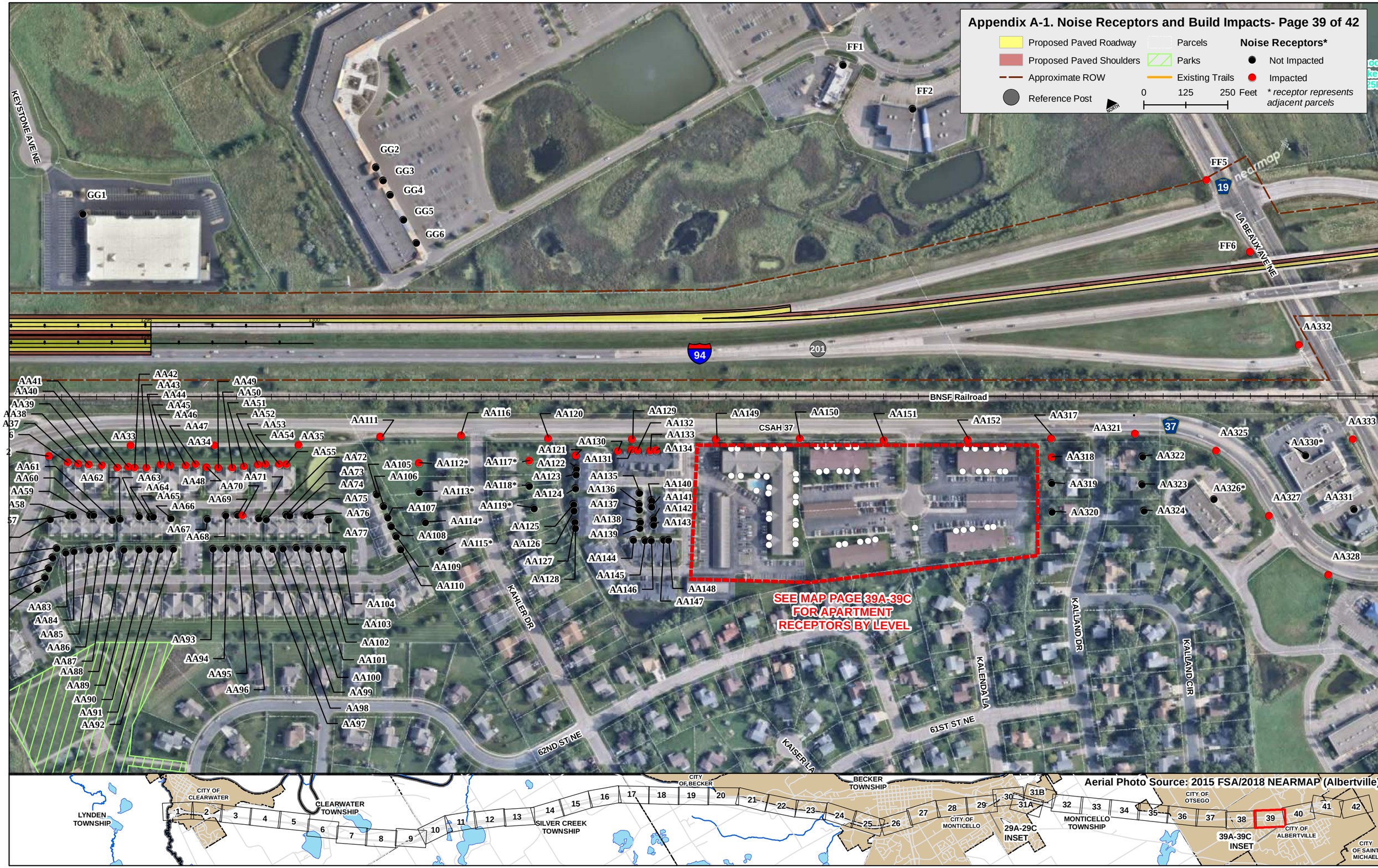



Appendix A-1. Noise Receptors and Build Impacts- Page 37 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
71ST ST NE
70TH ST NE
KADLER AVE NE
CITY OF ALBERTVILLE
CITY OF OTSEGO
94
200
BNSF Railroad
JANSEN AVE NE
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42

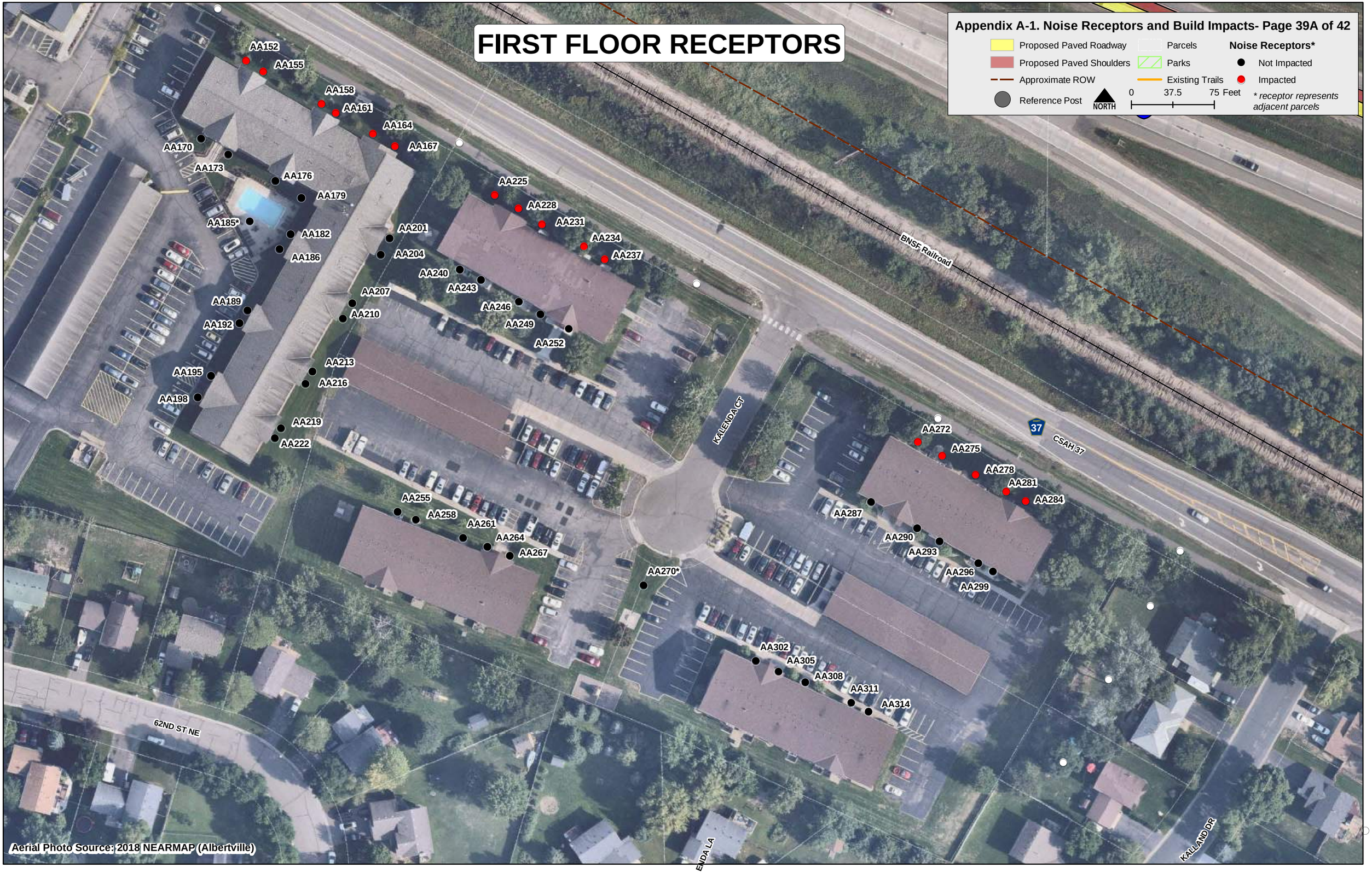
Appendix A-1. Noise Receptors and Build Impacts- Page 38 of 42

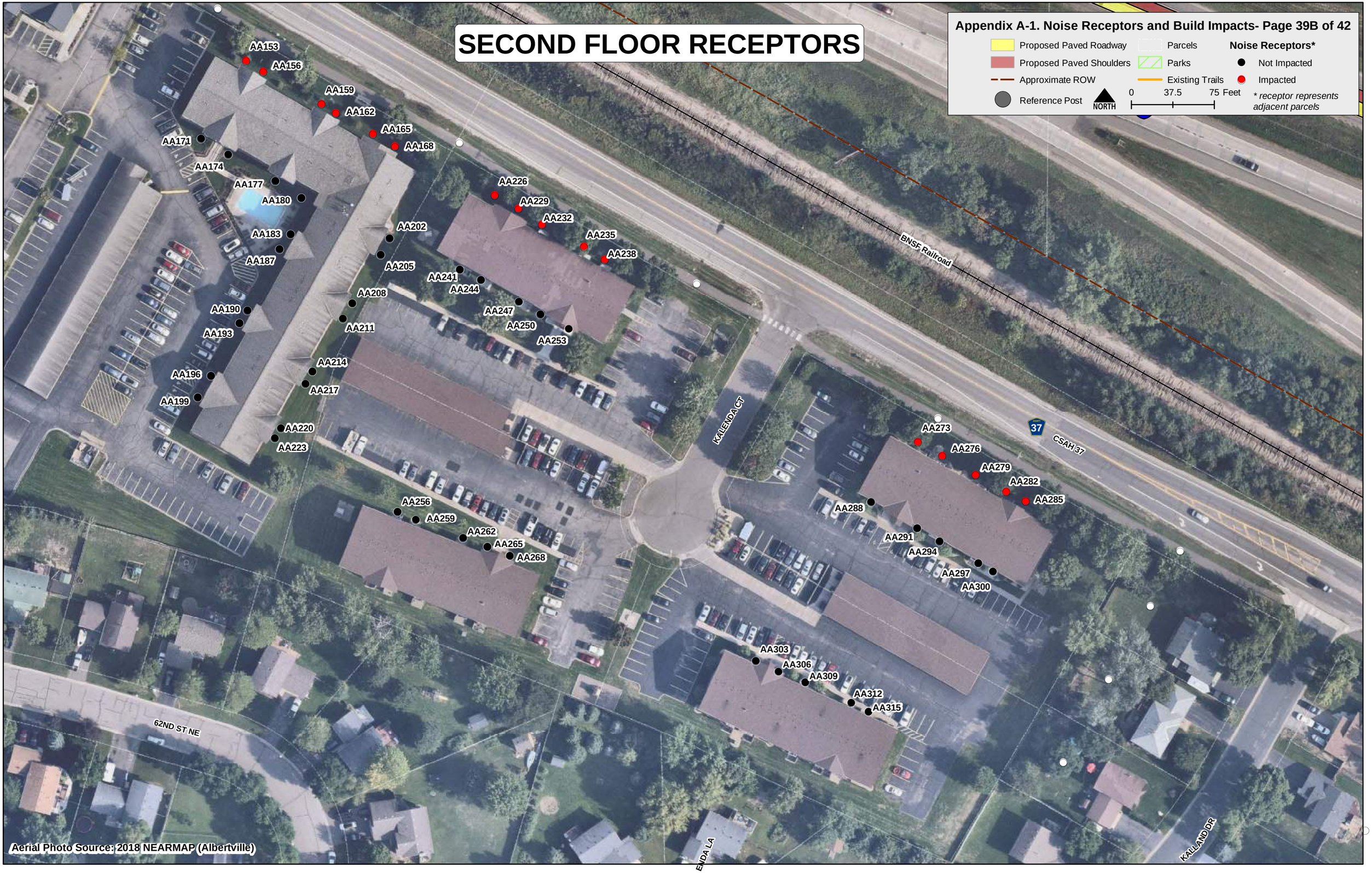
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
NORTH

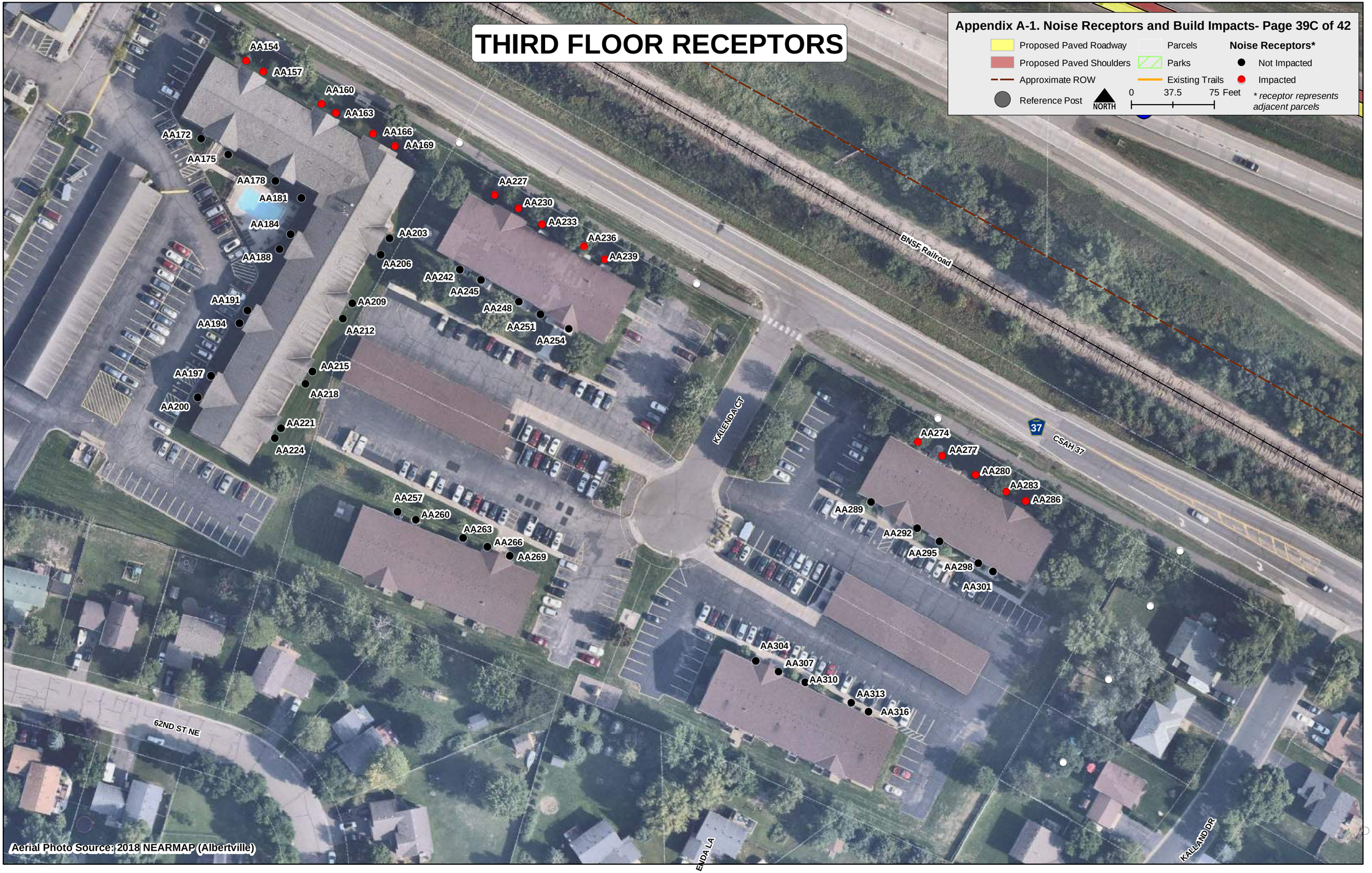
Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*


Appendix A-1. Noise Receptors and Build Impacts- Page 39 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
NORTH
KEYSTONE AVE NE
GG1
GG2
GG3
GG4
GG5
GG6
FF1
FF2
FF5
FF6
LA BEAUX AVE NE
AA332
94
201
19
37
BNSF Railroad
CSAH 37
AA41
AA40
AA39
AA38
AA37
AA42
AA43
AA44
AA45
AA46
AA47
AA48
AA49
AA50
AA51
AA52
AA53
AA54
AA35
AA33
AA34
AA55
AA111
AA116
AA120
AA129
AA132
AA133
AA134
AA149
AA150
AA151
AA152
AA317
AA321
AA325
AA333
AA330*
AA318
AA322
AA319
AA323
AA326*
AA327
AA331
AA320
AA324
AA328
AA61
AA60
AA59
AA58
AA62
AA63
AA64
AA65
AA66
AA67
AA68
AA69
AA70
AA71
AA72
AA73
AA74
AA75
AA76
AA77
AA105
AA106
AA112*
AA113*
AA114*
AA107
AA108
AA115*
AA109
AA110
AA117*
AA118*
AA119*
AA121
AA122
AA123
AA124
AA125
AA126
AA127
AA128
AA130
AA131
AA135
AA136
AA137
AA138
AA139
AA140
AA141
AA142
AA143
AA144
AA145
AA146
AA147
AA148
AA83
AA84
AA85
AA86
AA87
AA88
AA89
AA90
AA91
AA92
AA93
AA94
AA95
AA96
AA104
AA103
AA102
AA101
AA100
AA99
AA98
AA97
KAHLER DR
KALLAND DR
KALLAND CIR
KALENDA LA
61ST ST NE
62ND ST NE
KAISER LA
SEE MAP PAGE 39A-39C
FOR APARTMENT
RECEPTORS BY LEVEL
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42

FIRST FLOOR RECEPTORS




SECOND FLOOR RECEPTORS
Appendix A-1. Noise Receptors and Build Impacts- Page 39B of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
NORTH
0
37.5
75 Feet
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
AA153
AA156
AA159
AA162
AA165
AA168
AA171
AA174
AA177
AA180
AA183
AA187
AA190
AA193
AA196
AA199
AA202
AA205
AA208
AA211
AA214
AA217
AA220
AA223
AA226
AA229
AA232
AA235
AA238
AA241
AA244
AA247
AA250
AA253
AA256
AA259
AA262
AA265
AA268
AA273
AA276
AA279
AA282
AA285
AA288
AA291
AA294
AA297
AA300
AA303
AA306
AA309
AA312
AA315
BNSF Railroad
KALENDA CT
CSAH 37
37
62ND ST NE
ENDA LA
KALLAND DR
Aerial Photo Source: 2018 NEARMAP (Albertville)

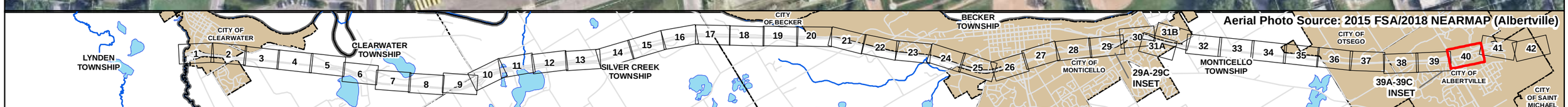

THIRD FLOOR RECEPTORS
Appendix A-1. Noise Receptors and Build Impacts- Page 39C of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
NORTH
0
37.5
75 Feet
Noise Receptors*
Not Impacted
Impacted
* receptor represents adjacent parcels
AA154
AA157
AA160
AA163
AA166
AA169
AA172
AA175
AA178
AA181
AA184
AA188
AA191
AA194
AA197
AA200
AA203
AA206
AA209
AA212
AA215
AA218
AA221
AA224
AA227
AA230
AA233
AA236
AA239
AA242
AA245
AA248
AA251
AA254
AA257
AA260
AA263
AA266
AA269
AA274
AA277
AA280
AA283
AA286
AA289
AA292
AA295
AA298
AA301
AA304
AA307
AA310
AA313
AA316
BNSF Railroad
CSAH 37
37
KALENDA CT
62ND ST NE
ENDA LA
KALLAND DR
Aerial Photo Source: 2018 NEARMAP (Albertville)

Appendix A-1. Noise Receptors and Build Impacts- Page 40 of 42

Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
0 125 250 Feet

Noise Receptors*
Not Impacted
Impacted
** receptor represents adjacent parcels*

Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)



Appendix A-1. Noise Receptors and Build Impacts- Page 41 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
0 125 250 Feet
* receptor represents adjacent parcels
North
Hunters Lake 86-26P
63RD ST NE
62ND ST E
62ND ST
60TH ST NE
CITY OF OTSEGO
CITY OF ALBERTVILLE
94
202
37
EE1
EE2
DD1
DD2
DD3
DD4
BB15
BB16
BB17
BB18
BB19
BB20
BB21
BB22
BB23
BB24
BB25
BB26
BB27
BB28
BB29
BB30
BB31
BB32
BB33
BB34
BB35
BB36
BB37
BB38
BB39
BB40
CC1
CC2
CSAH 37
LARGE AVE NE
LANDER AVE NE
59TH ST NE
BARTHEL INDUSTRIAL DR
86-415W
BNSF Railroad
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL

Appendix A-1. Noise Receptors and Build Impacts- Page 42 of 42
Proposed Paved Roadway
Proposed Paved Shoulders
Approximate ROW
Reference Post
Parcels
Parks
Existing Trails
Noise Receptors*
Not Impacted
Impacted
0 125 250 Feet
* receptor represents adjacent parcels
NORTH
DD4
DD5
DD6
CC2
CC3
CITY OF SAINT MICHAEL
CITY OF ALBERTVILLE
BNSF Railroad
nearmap
Aerial Photo Source: 2015 FSA/2018 NEARMAP (Albertville)
LYNDEN TOWNSHIP
CITY OF CLEARWATER
CLEARWATER TOWNSHIP
SILVER CREEK TOWNSHIP
CITY OF BECKER
BECKER TOWNSHIP
CITY OF MONTICELLO
29A-29C INSET
MONTICELLO TOWNSHIP
CITY OF OTSEGO
39A-39C INSET
CITY OF ALBERTVILLE
CITY OF SAINT MICHAEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31A 31B 32 33 34 35 36 37 38 39 40 41 42

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
A1	1	F	N/A	65.6	66.5	0.9	67.8	2.2
A2	1	E	72	62.6	63.5	0.9	64.4	1.8
A3	1	E	72	62.7	63.7	1.0	64.8	2.1
B1	1	B	67	69.1	70.0	0.9	71.1	2.0
B2	1	B	67	68.7	69.6	0.9	70.7	2.0
B2.5	1	B	67	60.5	61.4	0.9	61.1	0.6
B3	1	B	67	65.6	66.5	0.9	67.0	1.4
B4	1	B	67	63.4	64.3	0.9	65.1	1.7
B5	2	B	67	62.8	63.7	0.9	63.3	0.5
B6	1	B	67	65.3	66.3	1.0	65.6	0.3
B7	2	B	67	65.8	66.8	1.0	66.3	0.5
B8	1	B	67	68.2	69.2	1.0	68.2	0.0
B9	1	B	67	63.7	64.7	1.0	64.3	0.6
B10	1	B	67	59.5	60.4	0.9	60.5	1.0
B11	1	B	67	58.3	59.3	1.0	59.4	1.1
B12	1	B	67	58.3	59.2	0.9	59.4	1.1
B13	2	B	67	63.4	64.3	0.9	64.0	0.6
C1	1	B	67	68.7	69.7	1.0	70.9	2.2
C2	1	B	67	65.9	66.8	0.9	67.9	2.0
D1	1	B	67	70.5	71.4	0.9	71.2	0.7
D2	2	B	67	66.0	66.9	0.9	67.3	1.3
D3	1	B	67	64.1	65.0	0.9	65.7	1.6
D4	1	B	67	62.0	62.9	0.9	63.7	1.7
D5	1	B	67	61.0	61.9	0.9	62.7	1.7
D6	1	C	67	72.3	73.3	1.0	73.2	0.9
D7	1	B	67	71.0	71.9	0.9	71.8	0.8
D8	1	B	67	64.9	65.8	0.9	66.9	2.0
D9	1	B	67	65.4	66.3	0.9	67.0	1.6
D10	1	B	67	65.2	66.1	0.9	66.7	1.5
D11	1	B	67	68.3	69.2	0.9	69.2	0.9
D12	1	B	67	69.0	69.9	0.9	69.6	0.6
D13	1	B	67	64.4	65.3	0.9	65.2	0.8
D14	1	B	67	66.2	67.1	0.9	66.7	0.5
D15	2	B	67	63.9	64.8	0.9	64.7	0.8
D16	1	B	67	62.6	63.6	1.0	63.4	0.8
D17	1	B	67	60.2	61.1	0.9	61.0	0.8
D18	1	B	67	59.6	60.5	0.9	60.5	0.9
D19	1	B	67	71.6	72.6	1.0	71.9	0.3
D20	1	B	67	69.3	70.2	0.9	70.6	1.3
D21	1	B	67	63.0	63.9	0.9	64.0	1.0
E1	1	B	67	67.4	68.4	1.0	69.3	1.9
E2	1	B	67	64.6	65.5	0.9	65.6	1.0
E3	1	B	67	66.5	67.4	0.9	68.5	2.0
F1	1	B	67	69.3	70.2	0.9	71.4	2.1
F2	1	B	67	63.8	64.7	0.9	65.6	1.8
F3	1	B	67	68.4	69.3	0.9	70.5	2.1
F4	1	B	67	66.4	67.3	0.9	68.4	2.0

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
F5	1	B	67	67.1	68.1	1.0	69.2	2.1
F6	1	B	67	73.2	74.1	0.9	73.3	0.1
F7	1	B	67	62.9	63.8	0.9	64.6	1.7
F8	1	B	67	69.6	70.5	0.9	71.4	1.8
G1	1	E	72	64.0	65.0	1.0	66.0	2.0
G2	1	E	72	65.5	66.5	1.0	68.2	2.7
G3	1	E	72	65.8	66.6	0.8	67.7	1.9
G4	1	E	72	62.8	63.7	0.9	62.1	-0.7
G5	1	E	72	61.8	62.6	0.8	63.3	1.5
G6	1	E	72	60.5	61.4	0.9	62.2	1.7
G7	1	E	72	51.4	52.3	0.9	52.4	1.0
H1	1	E	72	56.3	57.2	0.9	57.8	1.5
H2	1	E	72	57.3	58.2	0.9	58.9	1.6
H3	1	F	N/A	64.5	65.4	0.9	65.6	1.1
H4	1	E	72	59.0	59.9	0.9	61.7	2.7
H5	1	E	72	68.3	69.2	0.9	71.0	2.7
H6	1	E	72	66.4	67.3	0.9	68.6	2.2
H7	1	F	N/A	57.0	57.9	0.9	58.5	1.5
H8	1	E	72	52.0	52.9	0.9	53.7	1.7
H9	1	E	72	54.4	55.4	1.0	56.4	2.0
I1	1	C	67	73.9	74.9	1.0	76.2	2.3
I2	1	C	67	62.3	63.3	1.0	66.0	3.7
I3	1	C	67	61.5	62.4	0.9	63.9	2.4
I4	1	C	67	59.6	60.5	0.9	61.7	2.1
I5	1	B	67	59.8	60.7	0.9	62.3	2.5
I6	1	B	67	64.2	65.1	0.9	67.5	3.3
I7	1	B	67	67.5	68.5	1.0	69.6	2.1
I8	1	B	67	59.7	60.6	0.9	62.2	2.5
I9	1	B	67	64.2	65.2	1.0	67.6	3.4
I10	1	B	67	59.7	60.6	0.9	62.3	2.6
I11	1	B	67	64.3	65.3	1.0	67.7	3.4
I12	2	B	67	67.9	68.9	1.0	69.9	2.0
I13	1	B	67	59.7	60.6	0.9	62.4	2.7
I14	1	B	67	64.3	65.3	1.0	67.9	3.6
I15	1	B	67	68.1	69.1	1.0	70.0	1.9
I16	1	B	67	59.6	60.6	1.0	62.3	2.7
I17	1	B	67	64.3	65.3	1.0	67.7	3.4
I18	1	B	67	68.1	69.0	0.9	70.2	2.1
I19	1	B	67	59.8	60.7	0.9	62.5	2.7
I20	1	B	67	64.2	65.2	1.0	67.7	3.5
I21	1	B	67	68.2	69.2	1.0	70.3	2.1
I22	1	B	67	59.0	59.9	0.9	61.7	2.7
I23	1	B	67	63.4	64.4	1.0	66.8	3.4
I24	1	B	67	67.5	68.5	1.0	69.8	2.3
I25	1	B	67	58.4	59.3	0.9	61.2	2.8
I26	1	B	67	62.8	63.8	1.0	66.3	3.5
I27	1	B	67	66.9	67.8	0.9	69.3	2.4

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
I28	1	B	67	57.9	58.9	1.0	60.8	2.9
I29	1	B	67	62.3	63.2	0.9	65.6	3.3
I30	1	B	67	65.9	66.8	0.9	68.8	2.9
I31	1	B	67	57.4	58.4	1.0	60.3	2.9
I32	1	B	67	61.6	62.5	0.9	65.0	3.4
I33	1	B	67	65.1	66.0	0.9	68.1	3.0
I34	1	B	67	56.9	57.9	1.0	59.7	2.8
I35	1	B	67	60.9	61.9	1.0	64.3	3.4
I36	1	B	67	64.0	65.0	1.0	67.5	3.5
I37	1	B	67	56.4	57.4	1.0	59.3	2.9
I38	1	B	67	60.4	61.4	1.0	63.9	3.5
I39	1	B	67	63.1	64.1	1.0	67.0	3.9
I40	1	B	67	53.6	54.4	0.8	56.4	2.8
I41	1	B	67	55.7	56.6	0.9	58.8	3.1
I42	1	B	67	58.0	58.9	0.9	61.0	3.0
I43	1	B	67	44.3	45.2	0.9	46.6	2.3
I44	1	B	67	47.2	48.1	0.9	49.4	2.2
I45	1	B	67	50.5	51.4	0.9	53.0	2.5
I46	1	B	67	42.6	43.5	0.9	45.1	2.5
I47	1	B	67	45.9	46.8	0.9	48.2	2.3
I48	1	B	67	50.2	51.1	0.9	52.8	2.6
I49	1	B	67	42.3	43.2	0.9	44.7	2.4
I50	1	B	67	45.7	46.6	0.9	48.0	2.3
I51	1	B	67	50.2	51.2	1.0	52.8	2.6
I52	1	B	67	42.0	42.9	0.9	44.3	2.3
I53	1	B	67	45.3	46.2	0.9	47.8	2.5
I54	1	B	67	50.3	51.2	0.9	52.8	2.5
I55	1	B	67	42.7	43.6	0.9	45.2	2.5
I56	1	B	67	44.9	45.8	0.9	47.4	2.5
I57	1	B	67	50.5	51.4	0.9	53.0	2.5
I58	1	B	67	43.4	44.3	0.9	45.9	2.5
I59	1	B	67	44.8	45.8	1.0	47.4	2.6
I60	1	B	67	50.7	51.6	0.9	53.3	2.6
I61	2	B	67	43.9	44.8	0.9	46.2	2.3
I62	1	B	67	45.6	46.5	0.9	48.0	2.4
I63	1	B	67	50.4	51.3	0.9	53.0	2.6
I64	1	B	67	44.1	45.0	0.9	46.3	2.2
I65	1	B	67	46.2	47.1	0.9	48.2	2.0
I66	1	B	67	49.4	50.3	0.9	51.7	2.3
I67	1	B	67	44.4	45.3	0.9	46.6	2.2
I68	1	B	67	46.8	47.7	0.9	48.9	2.1
I69	1	B	67	49.5	50.4	0.9	51.7	2.2
I70	1	B	67	45.0	45.9	0.9	47.1	2.1
I71	1	B	67	47.5	48.4	0.9	49.6	2.1
I72	1	B	67	50.0	50.9	0.9	52.3	2.3
I73	1	B	67	53.0	53.9	0.9	55.3	2.3
I74	1	B	67	55.6	56.5	0.9	58.3	2.7

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
I75	1	B	67	58.0	59.0	1.0	61.4	3.4
I76	1	B	67	52.2	53.1	0.9	55.0	2.8
I77	1	B	67	55.1	56.0	0.9	57.6	2.5
I78	1	B	67	57.7	58.6	0.9	60.8	3.1
I79	1	B	67	52.0	52.9	0.9	54.6	2.6
I80	1	B	67	54.2	55.1	0.9	57.1	2.9
I81	1	B	67	57.0	58.0	1.0	60.3	3.3
I82	1	B	67	51.8	52.7	0.9	54.3	2.5
I83	1	B	67	53.6	54.5	0.9	56.7	3.1
I84	1	B	67	56.5	57.4	0.9	59.9	3.4
I85	1	B	67	51.5	52.4	0.9	54.0	2.5
I86	1	B	67	53.5	54.4	0.9	56.4	2.9
I87	1	B	67	55.9	56.8	0.9	59.3	3.4
I88	1	B	67	51.2	52.1	0.9	53.6	2.4
I89	1	B	67	53.4	54.3	0.9	55.9	2.5
I90	1	B	67	55.5	56.4	0.9	58.4	2.9
I91	1	B	67	50.7	51.6	0.9	53.2	2.5
I92	1	B	67	52.7	53.6	0.9	55.3	2.6
I93	1	B	67	54.9	55.9	1.0	57.6	2.7
I94	1	B	67	49.3	50.2	0.9	52.4	3.1
I95	1	B	67	50.6	51.5	0.9	53.0	2.4
I96	1	B	67	53.3	54.2	0.9	55.5	2.2
I97	1	B	67	47.4	48.3	0.9	50.0	2.6
I98	1	B	67	48.7	49.6	0.9	51.1	2.4
I99	1	B	67	52.3	53.3	1.0	54.6	2.3
I100	1	B	67	46.0	46.9	0.9	48.2	2.2
I101	1	B	67	48.0	48.9	0.9	50.2	2.2
I102	1	B	67	51.0	52.0	1.0	53.5	2.5
I103	1	B	67	56.0	56.9	0.9	58.8	2.8
I104	1	B	67	59.9	60.9	1.0	63.3	3.4
I105	1	B	67	62.3	63.2	0.9	66.6	4.3
I106	1	B	67	56.5	57.4	0.9	59.2	2.7
I107	1	B	67	60.4	61.4	1.0	63.7	3.3
I108	1	B	67	62.6	63.5	0.9	66.9	4.3
I109	1	B	67	56.8	57.8	1.0	59.6	2.8
I110	1	B	67	60.8	61.8	1.0	64.1	3.3
I111	1	B	67	63.1	64.1	1.0	67.1	4.0
I112	1	B	67	57.0	58.0	1.0	59.8	2.8
I113	1	B	67	61.1	62.0	0.9	64.4	3.3
I114	1	B	67	63.4	64.4	1.0	67.4	4.0
I115	1	B	67	57.1	58.1	1.0	59.8	2.7
I116	1	B	67	61.2	62.2	1.0	64.5	3.3
I117	1	B	67	63.8	64.8	1.0	67.8	4.0
I118	1	B	67	57.2	58.2	1.0	60.0	2.8
I119	1	B	67	61.5	62.5	1.0	64.7	3.2
I120	1	B	67	64.4	65.3	0.9	68.1	3.7
I121	1	B	67	57.6	58.6	1.0	60.3	2.7

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
I122	1	B	67	62.3	63.2	0.9	65.3	3.0
I123	1	B	67	65.5	66.4	0.9	68.6	3.1
I124	1	B	67	58.3	59.3	1.0	61.1	2.8
I125	1	B	67	63.1	64.0	0.9	66.1	3.0
I126	1	B	67	66.8	67.8	1.0	69.5	2.7
I127	1	B	67	59.1	60.1	1.0	61.9	2.8
I128	1	B	67	63.8	64.8	1.0	67.1	3.3
I129	1	B	67	60.5	61.5	1.0	63.0	2.5
I130	1	B	67	65.1	66.0	0.9	68.5	3.4
I131	1	B	67	69.6	70.5	0.9	71.8	2.2
I132	1	B	67	47.6	48.6	1.0	49.6	2.0
I133	1	B	67	48.8	49.7	0.9	51.2	2.4
I134	1	B	67	52.3	53.2	0.9	55.1	2.8
I135	1	B	67	48.2	49.2	1.0	50.2	2.0
I136	1	B	67	49.1	50.0	0.9	51.5	2.4
I137	1	B	67	52.8	53.8	1.0	55.6	2.8
I138	1	B	67	48.8	49.7	0.9	50.8	2.0
I139	1	B	67	50.5	51.5	1.0	52.8	2.3
I140	1	B	67	53.6	54.5	0.9	56.4	2.8
I141	1	B	67	49.6	50.5	0.9	51.8	2.2
I142	1	B	67	51.8	52.8	1.0	54.7	2.9
I143	1	B	67	54.5	55.5	1.0	57.6	3.1
I144	1	B	67	50.8	51.7	0.9	53.0	2.2
I145	1	B	67	53.2	54.2	1.0	56.2	3.0
I146	1	B	67	56.1	57.1	1.0	58.8	2.7
I147	1	B	67	51.9	52.9	1.0	54.4	2.5
I148	1	B	67	54.5	55.5	1.0	57.4	2.9
I149	1	B	67	57.8	58.7	0.9	60.2	2.4
I150	1	B	67	52.2	53.2	1.0	54.8	2.6
I151	1	B	67	55.0	55.9	0.9	57.9	2.9
I152	1	B	67	58.2	59.1	0.9	60.8	2.6
I153	1	B	67	52.5	53.4	0.9	55.2	2.7
I154	1	B	67	55.3	56.3	1.0	58.3	3.0
I155	1	B	67	58.6	59.5	0.9	61.2	2.6
I156	1	B	67	53.0	54.0	1.0	56.0	3.0
I157	1	B	67	56.0	57.0	1.0	59.2	3.2
I158	1	B	67	59.4	60.3	0.9	62.2	2.8
I159	1	B	67	53.3	54.3	1.0	56.5	3.2
I160	1	B	67	56.3	57.3	1.0	59.6	3.3
I161	1	B	67	59.7	60.6	0.9	62.6	2.9
I162	1	B	67	53.7	54.7	1.0	57.0	3.3
I163	1	B	67	56.7	57.7	1.0	60.0	3.3
I164	1	B	67	60.2	61.1	0.9	63.0	2.8
I165	1	B	67	54.3	55.2	0.9	57.4	3.1
I166	1	B	67	57.1	58.0	0.9	60.4	3.3
I167	1	B	67	60.6	61.6	1.0	63.2	2.6
I168	1	B	67	55.4	56.3	0.9	58.7	3.3

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
I169	1	B	67	58.1	59.1	1.0	61.6	3.5
I170	1	B	67	61.8	62.8	1.0	64.7	2.9
I171	1	B	67	55.8	56.7	0.9	59.1	3.3
I172	1	B	67	58.5	59.5	1.0	61.9	3.4
I173	1	B	67	62.3	63.2	0.9	65.1	2.8
I174	1	B	67	56.1	57.1	1.0	59.5	3.4
I175	1	B	67	58.9	59.9	1.0	62.4	3.5
I176	1	B	67	62.6	63.5	0.9	65.5	2.9
I177	1	B	67	56.5	57.4	0.9	60.0	3.5
I178	1	B	67	59.2	60.2	1.0	62.7	3.5
I179	1	B	67	63.1	64.0	0.9	66.0	2.9
I180	1	B	67	57.2	58.1	0.9	60.8	3.6
I181	1	B	67	60.0	61.0	1.0	63.6	3.6
I182	1	B	67	64.0	64.9	0.9	66.9	2.9
I183	1	B	67	59.1	60.0	0.9	62.7	3.6
I184	1	B	67	62.1	63.1	1.0	66.4	4.3
I185	1	B	67	66.4	67.3	0.9	68.9	2.5
I186	1	B	67	60.0	61.0	1.0	63.5	3.5
I187	1	B	67	63.3	64.3	1.0	67.5	4.2
I188	1	B	67	68.2	69.1	0.9	70.3	2.1
I189	1	B	67	60.5	61.5	1.0	64.0	3.5
I190	1	B	67	63.8	64.8	1.0	68.1	4.3
I191	1	B	67	69.0	69.9	0.9	71.0	2.0
I192	1	B	67	61.2	62.2	1.0	64.6	3.4
I193	1	B	67	64.6	65.6	1.0	69.0	4.4
I194	1	B	67	69.8	70.7	0.9	71.9	2.1
I195	1	B	67	62.3	63.4	1.1	65.4	3.1
I196	1	B	67	65.9	66.9	1.0	69.6	3.7
I197	1	B	67	70.9	71.8	0.9	73.2	2.3
I198	1	C	67	65.3	66.4	1.1	68.6	3.3
I199	1	C	67	66.7	67.7	1.0	70.2	3.5
I200	1	C	67	67.7	68.8	1.1	71.6	3.9
I201	1	C	67	73.3	74.3	1.0	70.9	-2.4
I202	1	B	67	68.1	69.1	1.0	69.9	1.8
I203	1	B	67	67.3	68.3	1.0	69.2	1.9
I204	1	B	67	66.2	67.2	1.0	68.5	2.3
I205	1	B	67	65.3	66.3	1.0	67.5	2.2
I206	1	B	67	63.6	64.6	1.0	65.9	2.3
I207	1	B	67	62.1	63.1	1.0	64.1	2.0
I208	1	B	67	61.2	62.1	0.9	63.5	2.3
I209	1	B	67	59.9	60.9	1.0	62.4	2.5
I210	1	B	67	60.0	61.0	1.0	62.7	2.7
I211	1	B	67	59.9	60.9	1.0	62.9	3.0
I212	1	B	67	60.8	61.7	0.9	63.9	3.1
I213	1	B	67	61.1	62.1	1.0	64.1	3.0
I214	1	B	67	61.3	62.2	0.9	64.7	3.4
I215	1	B	67	62.8	63.8	1.0	65.7	2.9

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
I216	1	B	67	65.6	66.6	1.0	68.6	3.0
I217	1	B	67	64.6	65.6	1.0	67.9	3.3
I218	1	B	67	63.5	64.5	1.0	67.0	3.5
I219	1	B	67	61.9	62.9	1.0	65.7	3.8
I220	1	B	67	61.5	62.5	1.0	65.3	3.8
I221	1	B	67	61.2	62.2	1.0	65.0	3.8
I222	1	B	67	61.0	61.9	0.9	64.8	3.8
I223	1	B	67	60.1	61.1	1.0	63.9	3.8
I224	1	B	67	59.1	60.1	1.0	63.1	4.0
J1	1	B	67	62.1	63.0	0.9	64.3	2.2
J2	1	B	67	66.9	67.8	0.9	69.7	2.8
J3	1	B	67	68.1	69.1	1.0	70.8	2.7
J4	1	B	67	67.3	68.2	0.9	69.5	2.2
J5	1	B	67	66.8	67.8	1.0	70.0	3.2
J6	1	B	67	63.5	64.4	0.9	65.6	2.1
J7	1	B	67	63.8	64.8	1.0	66.9	3.1
J8	1	B	67	64.8	65.8	1.0	68.0	3.2
J9	1	B	67	68.0	68.9	0.9	71.0	3.0
J10	1	B	67	71.0	71.9	0.9	72.8	1.8
J11	1	B	67	69.8	70.7	0.9	72.2	2.4
J12	1	B	67	70.1	71.0	0.9	71.8	1.7
J13	1	B	67	60.7	61.6	0.9	63.1	2.4
J14	1	B	67	59.3	60.3	1.0	61.2	1.9
J15	1	B	67	57.7	58.6	0.9	59.3	1.6
J16	1	B	67	57.8	58.7	0.9	59.4	1.6
J17	1	B	67	57.4	58.3	0.9	59.1	1.7
J18	1	B	67	62.1	63.0	0.9	63.1	1.0
J19	1	B	67	58.6	59.5	0.9	59.5	0.9
J20	1	B	67	57.7	58.6	0.9	58.9	1.2
J21	1	B	67	57.0	58.0	1.0	58.3	1.3
J22	1	B	67	56.1	57.0	0.9	57.6	1.5
J23	1	B	67	60.1	61.1	1.0	62.5	2.4
J24	1	B	67	57.0	57.9	0.9	58.7	1.7
J25	1	B	67	58.0	58.9	0.9	59.7	1.7
J26	1	B	67	59.0	59.9	0.9	61.1	2.1
J27	1	B	67	56.7	57.6	0.9	58.4	1.7
J28	1	B	67	57.0	57.9	0.9	59.0	2.0
J29	1	B	67	57.4	58.3	0.9	59.0	1.6
J30	1	B	67	57.6	58.6	1.0	59.5	1.9
J31	1	B	67	62.2	63.1	0.9	64.8	2.6
J32	1	B	67	63.2	64.2	1.0	65.9	2.7
J33	1	B	67	57.1	58.0	0.9	59.0	1.9
J34	1	B	67	57.9	58.8	0.9	59.9	2.0
J35	1	B	67	59.9	60.9	1.0	61.3	1.4
J36	1	B	67	60.9	61.8	0.9	63.0	2.1
J37	1	B	67	61.4	62.4	1.0	64.0	2.6
J38	1	B	67	63.0	63.9	0.9	65.9	2.9

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
J39	1	B	67	59.2	60.1	0.9	60.8	1.6
J40	1	B	67	60.3	61.3	1.0	61.8	1.5
J41	1	B	67	61.3	62.2	0.9	62.6	1.3
J42	1	B	67	61.7	62.6	0.9	64.5	2.8
J43	1	B	67	61.5	62.4	0.9	63.4	1.9
K1	1	B	67	62.9	63.8	0.9	65.6	2.7
K2	1	B	67	65.6	66.6	1.0	69.3	3.7
L1	1	B	67	70.8	71.8	1.0	74.3	3.5
L2	1	B	67	62.8	63.8	1.0	66.8	4.0
M1	1	F	N/A	55.4	56.3	0.9	57.3	1.9
M2	1	B	67	69.1	70.0	0.9	70.6	1.5
N1	1	B	67	60.0	60.9	0.9	62.4	2.4
N2	1	B	67	67.4	68.3	0.9	69.5	2.1
N3	1	B	67	66.5	67.4	0.9	70.1	3.6
O1	1	C	67	55.5	56.4	0.9	58.0	2.5
O2	1	C	67	56.6	57.5	0.9	59.0	2.4
O3	1	C	67	57.5	58.4	0.9	60.0	2.5
O4	1	C	67	58.3	59.1	0.8	60.5	2.2
O5	1	C	67	59.7	60.6	0.9	62.0	2.3
O6	1	C	67	62.0	62.9	0.9	63.6	1.6
O7	1	C	67	64.9	65.8	0.9	66.6	1.7
O8	1	C	67	67.6	68.5	0.9	69.2	1.6
O9	1	C	67	71.2	72.2	1.0	72.7	1.5
O10	1	B	67	62.6	63.4	0.8	64.4	1.8
O11	1	B	67	63.4	64.3	0.9	65.1	1.7
O12	1	B	67	64.1	65.0	0.9	65.9	1.8
O13	1	B	67	65.2	66.1	0.9	66.9	1.7
O14	1	B	67	65.7	66.6	0.9	67.4	1.7
O15	1	B	67	65.9	66.8	0.9	67.6	1.7
O16	1	B	67	65.8	66.6	0.8	67.4	1.6
O17	1	B	67	65.4	66.2	0.8	67.0	1.6
O18	1	B	67	64.9	65.7	0.8	66.6	1.7
O19	1	B	67	64.4	65.2	0.8	66.2	1.8
O20	1	B	67	63.7	64.6	0.9	65.7	2.0
O21	1	B	67	61.0	61.9	0.9	63.3	2.3
O22	1	B	67	58.4	59.4	1.0	60.5	2.1
O23	1	B	67	56.5	57.5	1.0	58.5	2.0
O24	1	C	67	64.6	65.5	0.9	66.6	2.0
O25	1	C	67	64.3	65.2	0.9	66.1	1.8
O26	1	C	67	67.0	67.9	0.9	69.4	2.4
O27	1	C	67	68.4	69.3	0.9	71.1	2.7
O28	1	C	67	66.3	67.3	1.0	66.8	0.5
O29	1	C	67	66.8	67.8	1.0	67.5	0.7
O30	1	C	67	66.3	67.2	0.9	65.6	-0.7
O31	1	B	67	60.5	61.4	0.9	60.2	-0.3
O32	1	B	67	65.7	66.6	0.9	64.2	-1.5
O33	1	B	67	67.6	68.5	0.9	66.7	-0.9

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
O34	1	B	67	67.1	68.0	0.9	66.8	-0.3
O35	1	B	67	68.7	69.6	0.9	66.8	-1.9
O36	1	B	67	65.8	66.7	0.9	67.0	1.2
O37	1	B	67	64.4	65.3	0.9	66.1	1.7
O38	1	B	67	62.8	63.7	0.9	64.5	1.7
O39	1	B	67	61.9	62.8	0.9	63.7	1.8
O40	1	B	67	62.2	63.1	0.9	64.3	2.1
O41	1	B	67	62.9	63.8	0.9	66.7	3.8
O42	1	B	67	62.3	63.2	0.9	65.4	3.1
O43	1	B	67	60.4	61.3	0.9	62.8	2.4
O44	1	B	67	59.0	59.9	0.9	61.2	2.2
O45	1	B	67	61.3	62.2	0.9	63.3	2.0
O46	1	B	67	62.8	63.7	0.9	66.6	3.8
O47	1	B	67	58.0	58.9	0.9	60.8	2.8
O48	1	B	67	64.6	65.5	0.9	68.4	3.8
O49	1	B	67	66.2	67.1	0.9	69.0	2.8
O50	1	B	67	64.0	64.9	0.9	66.7	2.7
O51	1	B	67	64.2	65.1	0.9	66.6	2.4
O51.5	1	B	67	64.2	65.1	0.9	66.6	2.4
O52	1	B	67	66.1	67.1	1.0	68.4	2.3
O53	1	B	67	67.0	67.9	0.9	69.1	2.1
O54	1	B	67	64.6	65.5	0.9	66.7	2.1
O55	1	B	67	62.0	63.0	1.0	64.2	2.2
O56	1	B	67	58.6	59.5	0.9	60.6	2.0
O57	1	B	67	58.9	59.9	1.0	61.1	2.2
O58	1	B	67	60.1	61.0	0.9	62.3	2.2
O60	1	B	67	54.8	55.8	1.0	56.6	1.8
O61	1	B	67	56.3	57.3	1.0	58.4	2.1
O62	1	B	67	59.0	59.9	0.9	61.3	2.3
O63	1	B	67	63.5	64.4	0.9	64.7	1.2
O64	1	B	67	70.2	71.1	0.9	70.9	0.7
O65	1	B	67	69.3	70.2	0.9	70.2	0.9
O66	3	B	67	70.2	71.1	0.9	71.3	1.1
O67	1	B	67	67.3	68.2	0.9	68.8	1.5
O68	1	B	67	67.4	68.3	0.9	69.2	1.8
O69	1	B	67	66.8	67.8	1.0	68.2	1.4
O70	1	B	67	65.0	65.9	0.9	67.1	2.1
O71	1	B	67	64.1	65.0	0.9	66.1	2.0
O72	1	B	67	62.9	63.8	0.9	65.6	2.7
O73	1	B	67	62.2	63.1	0.9	65.4	3.2
O74	1	B	67	61.9	62.8	0.9	65.0	3.1
O75	1	B	67	61.1	62.0	0.9	63.5	2.4
O76	1	B	67	60.3	61.2	0.9	63.1	2.8
O77	1	B	67	60.4	61.3	0.9	62.7	2.3
O78	1	B	67	71.8	72.7	0.9	72.7	0.9
O79	1	B	67	71.2	72.1	0.9	72.1	0.9
O80	1	B	67	71.4	72.3	0.9	72.4	1.0

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
O81	1	B	67	72.3	73.2	0.9	73.8	1.5
O82	1	B	67	72.0	72.9	0.9	73.7	1.7
O83	1	B	67	72.0	72.9	0.9	72.9	0.9
O84	1	B	67	69.5	70.4	0.9	70.9	1.4
O85	1	B	67	69.0	69.9	0.9	70.3	1.3
O86	1	B	67	70.1	71.0	0.9	70.5	0.4
O87	1	B	67	69.5	70.3	0.8	69.6	0.1
O88	1	B	67	70.6	71.5	0.9	73.8	3.2
O89	1	B	67	70.7	71.6	0.9	73.2	2.5
O90	1	B	67	70.7	71.5	0.8	72.1	1.4
O91	1	B	67	70.5	71.4	0.9	72.1	1.6
O92	1	B	67	69.3	70.2	0.9	71.6	2.3
O93	1	B	67	68.2	69.1	0.9	70.6	2.4
O94	1	B	67	67.7	68.6	0.9	70.0	2.3
O95	1	B	67	67.5	68.4	0.9	69.9	2.4
O96	1	B	67	65.7	66.7	1.0	67.3	1.6
O97	1	B	67	66.2	67.1	0.9	67.9	1.7
O98	1	B	67	66.9	67.8	0.9	68.3	1.4
O99	1	B	67	67.8	68.7	0.9	69.2	1.4
O100	1	B	67	68.6	69.5	0.9	70.0	1.4
O101	1	B	67	69.3	70.2	0.9	70.4	1.1
O102	1	B	67	69.7	70.6	0.9	70.6	0.9
O103	1	B	67	69.8	70.7	0.9	70.8	1.0
O104	1	B	67	70.2	71.1	0.9	70.9	0.7
O105	1	B	67	69.9	70.8	0.9	71.3	1.4
O106	1	B	67	68.8	69.7	0.9	70.4	1.6
O107	1	B	67	70.6	71.5	0.9	70.0	-0.6
O108	1	B	67	70.3	71.2	0.9	69.7	-0.6
O109	1	B	67	69.8	70.7	0.9	69.3	-0.5
O110	1	B	67	69.3	70.2	0.9	68.8	-0.5
O111	1	B	67	68.7	69.5	0.8	68.3	-0.4
O112	1	B	67	68.1	69.0	0.9	68.0	-0.1
O113	1	B	67	67.6	68.5	0.9	67.7	0.1
O114	1	B	67	67.2	68.1	0.9	68.5	1.3
O115	1	B	67	66.7	67.6	0.9	68.7	2.0
O116	1	B	67	66.2	67.1	0.9	68.3	2.1
O117	1	B	67	58.8	59.8	1.0	60.8	2.0
O118	1	B	67	59.1	60.0	0.9	61.2	2.1
O119	1	B	67	59.3	60.2	0.9	61.4	2.1
O120	1	B	67	59.5	60.4	0.9	61.7	2.2
O121	1	B	67	59.6	60.5	0.9	61.7	2.1
O122	1	B	67	59.8	60.7	0.9	62.3	2.5
O123	1	B	67	59.6	60.5	0.9	62.0	2.4
O124	1	B	67	59.2	60.1	0.9	61.4	2.2
O125	1	B	67	59.7	60.5	0.8	61.7	2.0
O126	1	B	67	58.7	59.6	0.9	60.6	1.9
O127	1	B	67	58.8	59.7	0.9	60.7	1.9

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
O128	1	B	67	59.0	59.9	0.9	61.0	2.0
O129	1	B	67	58.7	59.6	0.9	60.6	1.9
O130	1	B	67	58.5	59.4	0.9	60.3	1.8
O131	1	B	67	58.2	59.1	0.9	60.0	1.8
O132	1	B	67	59.2	60.1	0.9	60.6	1.4
O133	1	B	67	60.7	61.6	0.9	61.4	0.7
O134	1	B	67	61.4	62.3	0.9	61.7	0.3
O135	1	B	67	61.0	61.9	0.9	61.4	0.4
O136	1	B	67	61.2	62.0	0.8	61.8	0.6
O137	1	B	67	60.2	61.1	0.9	61.1	0.9
O138	1	B	67	59.5	60.4	0.9	61.7	2.2
O139	1	B	67	59.4	60.3	0.9	61.2	1.8
O140	1	B	67	59.7	60.6	0.9	61.9	2.2
O141	1	B	67	59.6	60.5	0.9	61.9	2.3
O142	1	B	67	58.6	59.5	0.9	60.3	1.7
O143	1	B	67	59.6	60.5	0.9	61.5	1.9
O144	1	B	67	58.1	59.1	1.0	60.2	2.1
O145	1	B	67	57.2	58.1	0.9	58.6	1.4
O146	1	B	67	57.1	58.0	0.9	58.7	1.6
P1	1	E	72	58.9	59.6	0.7	60.3	1.4
P2	1	E	72	60.8	61.5	0.7	62.0	1.2
P3	1	E	72	67.1	67.9	0.8	68.6	1.5
P4	1	E	72	64.6	65.4	0.8	65.7	1.1
P5	1	C	67	56.8	57.6	0.8	59.0	2.2
P6	1	C	67	56.4	57.3	0.9	58.8	2.4
P7	1	C	67	56.3	57.2	0.9	58.8	2.5
P8	1	C	67	56.1	56.9	0.8	58.6	2.5
P9	1	C	67	56.3	57.2	0.9	58.7	2.4
P10	1	C	67	55.5	56.4	0.9	60.4	4.9
P11	1	C	67	55.8	56.6	0.8	60.5	4.7
P12	1	B	67	56.0	56.8	0.8	57.5	1.5
P13	1	B	67	56.0	56.8	0.8	57.5	1.5
P14	1	B	67	56.1	56.9	0.8	58.1	2.0
P15	1	B	67	56.1	56.9	0.8	58.0	1.9
P16	1	B	67	56.4	57.3	0.9	58.6	2.2
P17	1	B	67	56.4	57.3	0.9	58.6	2.2
P18	1	B	67	53.5	54.4	0.9	55.3	1.8
P19	1	B	67	53.6	54.5	0.9	55.3	1.7
P20	1	B	67	55.0	55.9	0.9	56.9	1.9
P21	1	B	67	55.1	56.0	0.9	57.1	2.0
P22	1	B	67	57.7	58.5	0.8	59.8	2.1
P23	1	B	67	57.8	58.6	0.8	60.0	2.2
P24	1	C	67	58.1	59.0	0.9	61.8	3.7
P25	1	C	67	60.6	61.4	0.8	64.0	3.4
P26	1	C	67	62.2	63.1	0.9	65.3	3.1
P27	1	C	67	63.4	64.3	0.9	67.3	3.9
P28	1	C	67	67.3	68.2	0.9	72.1	4.8

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
P29	1	C	67	70.7	71.5	0.8	75.0	4.3
P30	1	C	67	71.3	72.1	0.8	75.1	3.8
P31	1	C	67	68.3	69.2	0.9	73.5	5.2
P32	1	C	67	65.1	66.0	0.9	69.6	4.5
P33	1	C	67	62.5	63.4	0.9	66.3	3.8
P34	1	C	67	61.1	62.0	0.9	64.9	3.8
P35	1	C	67	62.4	63.3	0.9	65.7	3.3
P36	1	E	72	64.1	65.0	0.9	70.1	6.0
P37	1	E	72	63.0	63.9	0.9	65.7	2.7
P38	1	C	67	64.8	65.7	0.9	69.1	4.3
P39	1	C	67	69.6	70.5	0.9	74.6	5.0
P40	1	C	67	70.4	71.2	0.8	75.2	4.8
P41	1	C	67	70.5	71.3	0.8	75.3	4.8
P42	1	C	67	69.1	70.0	0.9	73.2	4.1
P43	1	C	67	68.5	69.4	0.9	72.1	3.6
P44	1	C	67	65.9	66.8	0.9	69.1	3.2
P45	1	E	72	60.7	61.6	0.9	64.3	3.6
P46	1	E	72	56.9	57.8	0.9	59.9	3.0
P47	1	E	72	59.5	60.4	0.9	62.9	3.4
P48	1	E	72	55.6	56.5	0.9	58.8	3.2
P49	1	E	72	55.1	56.0	0.9	58.3	3.2
P50	1	E	72	55.6	56.5	0.9	58.5	2.9
P51	1	E	72	55.4	56.3	0.9	58.6	3.2
P52	1	E	72	55.3	56.2	0.9	58.4	3.1
P53	1	C	67	61.7	62.6	0.9	65.0	3.3
P54	1	C	67	57.9	58.8	0.9	60.8	2.9
P55	1	C	67	56.0	57.2	1.2	58.7	2.7
P56	1	C	67	69.2	70.1	0.9	73.5	4.3
P57	1	C	67	81.4	82.3	0.9	84.0	2.6
Q1	1	E	72	59.6	60.2	0.6	61.0	1.4
Q2	1	E	72	55.5	56.2	0.7	56.7	1.2
R1	1	E	72	70.4	71.2	0.8	72.3	1.9
R2	1	B	67	67.3	68.1	0.8	69.5	2.2
S1	1	C	67	60.9	61.8	0.9	61.4	0.5
S2	1	C	67	63.3	64.2	0.9	64.7	1.4
S3	1	C	67	61.3	62.2	0.9	62.0	0.7
S4	1	C	67	63.4	64.3	0.9	64.9	1.5
S5	1	B	67	59.3	60.1	0.8	60.8	1.5
S6	1	B	67	59.9	60.7	0.8	60.9	1.0
S7	1	B	67	60.2	61.0	0.8	61.6	1.4
S8	1	B	67	60.5	61.4	0.9	62.0	1.5
S9	1	B	67	61.2	62.1	0.9	62.5	1.3
S10	1	B	67	62.5	63.3	0.8	63.5	1.0
S11	1	B	67	62.3	63.2	0.9	63.2	0.9
S12	1	B	67	62.4	63.2	0.8	63.2	0.8
S13	1	B	67	61.2	62.0	0.8	61.8	0.6
S14	1	B	67	60.3	61.1	0.8	61.4	1.1

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
S15	1	B	67	54.7	55.6	0.9	55.6	0.9
S16	1	B	67	53.3	54.2	0.9	54.3	1.0
S17	1	B	67	52.9	53.8	0.9	53.9	1.0
S18	1	B	67	66.1	66.9	0.8	66.2	0.1
S19	1	B	67	66.9	67.7	0.8	67.3	0.4
S20	1	B	67	66.2	67.0	0.8	66.8	0.6
S21	1	B	67	65.7	66.5	0.8	66.2	0.5
S22	1	B	67	65.0	65.8	0.8	65.7	0.7
S23	1	B	67	64.6	65.4	0.8	64.9	0.3
S25	1	B	67	62.6	63.4	0.8	62.4	-0.2
S26	1	B	67	63.3	64.2	0.9	63.2	-0.1
S27	1	B	67	63.3	64.2	0.9	63.7	0.4
S28	1	B	67	64.6	65.4	0.8	65.0	0.4
S29	1	B	67	64.9	65.7	0.8	64.6	-0.3
S30	1	B	67	63.6	64.4	0.8	63.6	0.0
S31	1	B	67	63.6	64.4	0.8	64.2	0.6
S32	1	B	67	63.0	63.9	0.9	64.1	1.1
S33	1	B	67	61.4	62.2	0.8	62.7	1.3
S34	1	B	67	60.4	61.2	0.8	61.7	1.3
S35	1	B	67	59.8	60.6	0.8	61.1	1.3
S36	1	B	67	59.5	60.3	0.8	61.0	1.5
S37	1	B	67	70.2	71.1	0.9	70.4	0.2
S38	1	B	67	69.8	70.6	0.8	69.7	-0.1
S39	1	B	67	69.8	70.6	0.8	69.9	0.1
S40	1	B	67	70.3	71.1	0.8	70.3	0.0
S41	1	B	67	69.7	70.5	0.8	70.2	0.5
S42	1	B	67	68.3	69.2	0.9	69.3	1.0
S43	1	B	67	67.7	68.5	0.8	68.8	1.1
S44	1	B	67	64.4	65.2	0.8	65.8	1.4
S45	1	B	67	70.7	71.5	0.8	70.7	0.0
S46	1	B	67	72.2	73.0	0.8	72.0	-0.2
S47	1	B	67	73.0	73.8	0.8	72.9	-0.1
S48	1	B	67	74.4	75.2	0.8	74.4	0.0
S49	1	B	67	59.7	60.5	0.8	61.4	1.7
S50	1	B	67	60.0	60.8	0.8	61.7	1.7
S51	1	B	67	60.0	60.9	0.9	61.8	1.8
S52	1	B	67	61.0	61.9	0.9	62.7	1.7
S53	1	B	67	72.8	73.6	0.8	72.8	0.0
S54	1	B	67	71.5	72.3	0.8	72.0	0.5
S55	1	B	67	69.8	70.6	0.8	70.8	1.0
S56	1	B	67	67.8	68.6	0.8	69.1	1.3
S57	1	B	67	56.7	57.6	0.9	56.7	0.0
S58	1	B	67	60.1	60.9	0.8	60.9	0.8
S59	1	B	67	62.4	63.3	0.9	63.3	0.9
S60	1	B	67	63.6	64.5	0.9	65.1	1.5
S61	1	B	67	66.5	67.3	0.8	68.2	1.7
S62	1	B	67	72.4	73.2	0.8	72.6	0.2

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
S63	1	B	67	73.0	73.8	0.8	73.4	0.4
S64	2	B	67	70.9	71.7	0.8	72.0	1.1
S65	1	B	67	64.5	65.3	0.8	66.0	1.5
S66	1	B	67	59.1	60.0	0.9	60.3	1.2
S67	1	B	67	60.8	61.6	0.8	61.8	1.0
S68	1	B	67	63.6	64.4	0.8	65.6	2.0
S69	1	B	67	68.4	69.2	0.8	70.2	1.8
S70	1	B	67	69.9	70.7	0.8	71.9	2.0
S71	1	B	67	72.0	72.8	0.8	73.1	1.1
S72	1	B	67	71.6	72.4	0.8	72.8	1.2
S73	1	B	67	69.3	70.1	0.8	71.5	2.2
S74	1	B	67	66.2	67.1	0.9	68.3	2.1
S75	1	B	67	63.4	64.3	0.9	65.0	1.6
S76	1	B	67	67.7	68.5	0.8	69.7	2.0
S77	1	B	67	72.0	72.8	0.8	72.9	0.9
S78	1	B	67	72.8	73.6	0.8	73.3	0.5
S79	1	B	67	71.1	71.9	0.8	72.4	1.3
S80	1	B	67	59.5	60.4	0.9	61.0	1.5
S81	1	B	67	60.9	61.7	0.8	62.2	1.3
S82	1	B	67	57.9	58.8	0.9	59.1	1.2
S83	1	B	67	57.0	57.9	0.9	57.9	0.9
S84	1	B	67	54.4	55.3	0.9	56.4	2.0
S85	1	B	67	51.4	52.3	0.9	52.6	1.2
S86	1	B	67	60.6	61.4	0.8	62.7	2.1
S87	1	C	67	74.6	75.5	0.9	74.7	0.1
S88	1	C	67	74.7	75.6	0.9	74.8	0.1
S89	1	C	67	74.8	75.6	0.8	74.9	0.1
S90	1	C	67	74.4	75.2	0.8	74.5	0.1
S91	1	C	67	74.1	74.9	0.8	74.2	0.1
S92	1	C	67	73.9	74.7	0.8	74.1	0.2
S93	1	C	67	73.6	74.4	0.8	73.9	0.3
S94	1	C	67	73.3	74.2	0.9	73.7	0.4
S95	1	C	67	73.0	73.8	0.8	73.5	0.5
S96	1	C	67	73.5	74.3	0.8	73.7	0.2
S97	1	C	67	73.3	74.1	0.8	73.5	0.2
S98	1	E	72	62.3	63.1	0.8	64.1	1.8
S99	4	B	67	59.3	60.2	0.9	61.1	1.8
T1	1	B	67	63.7	64.5	0.8	65.6	1.9
T2	1	B	67	64.2	65.0	0.8	66.0	1.8
T3	1	B	67	63.4	64.3	0.9	65.1	1.7
T4	1	B	67	61.5	62.3	0.8	62.9	1.4
T5	1	B	67	62.7	63.6	0.9	63.4	0.7
U1	1	B	67	69.2	70.1	0.9	71.3	2.1
U2	1	B	67	67.9	68.7	0.8	69.8	1.9
U3	1	B	67	66.2	67.1	0.9	68.0	1.8
U4	1	B	67	69.3	70.1	0.8	71.2	1.9
U5	1	B	67	64.9	65.8	0.9	62.5	-2.4

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
U6	1	B	67	61.4	62.2	0.8	61.6	0.2
V1	1	B	67	70.8	71.6	0.8	72.1	1.3
V2	1	E	72	61.9	62.7	0.8	63.3	1.4
V3	1	E	72	64.2	64.9	0.7	65.8	1.6
W1	1	B	67	65.2	66.0	0.8	67.1	1.9
W2	1	B	67	68.7	69.6	0.9	70.8	2.1
X1	1	B	67	62.6	63.5	0.9	64.4	1.8
X2	1	B	67	62.2	63.1	0.9	63.6	1.4
X3	1	B	67	66.5	67.4	0.9	68.4	1.9
X4	2	B	67	62.3	63.2	0.9	63.6	1.3
Y1	1	E	72	71.0	71.9	0.9	71.9	0.9
Y2	1	E	72	70.6	71.4	0.8	71.8	1.2
Y3	1	E	72	69.0	69.8	0.8	70.2	1.2
Y4	1	E	72	59.9	60.8	0.9	61.7	1.8
Y5	1	E	72	52.2	53.1	0.9	53.7	1.5
Z1	1	E	72	64.5	65.3	0.8	65.9	1.4
Z2	1	E	72	63.9	64.7	0.8	65.4	1.5
Z3	1	F	N/A	72.0	72.9	0.9	72.2	0.2
Z4	1	B	67	69.7	70.6	0.9	71.6	1.9
Z5	1	E	72	60.2	61.0	0.8	61.3	1.1
Z6	1	B	67	56.8	57.5	0.7	57.8	1.0
Z7	1	B	67	70.7	71.6	0.9	71.7	1.0
Z8	1	B	67	64.0	64.8	0.8	66.0	2.0
Z9	1	B	67	64.6	65.5	0.9	66.7	2.1
Z10	1	F	N/A	73.9	74.7	0.8	73.8	-0.1
Z11	1	C	67	59.5	60.4	0.9	60.6	1.1
Z12	2	B	67	59.8	60.7	0.9	60.3	0.5
Z13	1	B	67	71.3	72.1	0.8	74.3	3.0
Z14	1	B	67	64.7	65.7	1.0	67.5	2.8
Z15	1	B	67	68.0	68.9	0.9	69.5	1.5
Z16	1	E	72	64.4	65.3	0.9	64.7	0.3
Z17	1	B	67	78.1	78.9	0.8	77.4	-0.7
Z18	1	B	67	66.6	67.4	0.8	68.7	2.1
AA1	1	E	72	58.9	60.6	1.7	59.8	0.9
AA2	1	B	67	59.9	61.7	1.8	61.5	1.6
AA3	1	B	67	61.2	62.9	1.7	62.7	1.5
AA4	1	B	67	62.1	63.8	1.7	63.7	1.6
AA5	1	B	67	54.7	56.4	1.7	56.2	1.5
AA6	1	B	67	55.3	56.9	1.6	57.2	1.9
AA7	1	B	67	59.6	61.2	1.6	61.0	1.4
AA8	1	B	67	56.6	58.1	1.5	56.1	-0.5
AA9	1	B	67	54.6	56.1	1.5	54.4	-0.2
AA10	1	B	67	59.2	60.7	1.5	59.5	0.3
AA11	1	B	67	56.3	57.8	1.5	56.4	0.1
AA12	1	B	67	54.7	56.2	1.5	55.3	0.6
AA13	1	B	67	53.6	55.0	1.4	54.2	0.6
AA14	1	B	67	59.5	61.0	1.5	60.0	0.5

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
AA15	1	B	67	56.7	58.2	1.5	57.1	0.4
AA16	1	B	67	55.7	57.2	1.5	56.2	0.5
AA17	1	B	67	53.9	55.4	1.5	54.4	0.5
AA18	1	B	67	60.5	62.0	1.5	61.3	0.8
AA19	1	B	67	59.3	60.8	1.5	60.1	0.8
AA20	1	B	67	58.7	60.2	1.5	59.5	0.8
AA21	1	B	67	56.9	58.4	1.5	57.9	1.0
AA22	1	B	67	60.8	62.3	1.5	61.6	0.8
AA23	1	B	67	61.0	62.5	1.5	61.6	0.6
AA24	1	B	67	60.8	62.3	1.5	61.6	0.8
AA25	1	B	67	60.4	61.9	1.5	61.2	0.8
AA26	1	B	67	61.5	63.0	1.5	62.3	0.8
AA27	1	B	67	61.5	63.0	1.5	62.3	0.8
AA28	1	B	67	63.0	64.5	1.5	63.6	0.6
AA29	1	B	67	63.4	64.9	1.5	64.0	0.6
AA30	1	B	67	64.2	65.8	1.6	65.0	0.8
AA31	1	B	67	65.0	66.6	1.6	65.7	0.7
AA32	1	C	67	67.7	69.3	1.6	68.6	0.9
AA33	1	C	67	68.7	70.2	1.5	69.4	0.7
AA34	1	C	67	68.6	70.1	1.5	69.8	1.2
AA35	1	C	67	68.1	69.7	1.6	70.0	1.9
AA36	1	B	67	66.3	67.9	1.6	67.1	0.8
AA37	1	B	67	65.7	67.2	1.5	66.7	1.0
AA38	1	B	67	65.4	66.9	1.5	66.6	1.2
AA39	1	B	67	64.9	66.4	1.5	66.7	1.8
AA40	1	B	67	65.0	66.5	1.5	66.5	1.5
AA41	1	B	67	64.9	66.4	1.5	66.3	1.4
AA42	1	B	67	64.9	66.4	1.5	66.4	1.5
AA43	1	B	67	65.0	66.4	1.4	66.8	1.8
AA44	1	B	67	65.3	66.9	1.6	66.7	1.4
AA45	1	B	67	65.4	66.9	1.5	67.0	1.6
AA46	1	B	67	65.5	67.0	1.5	67.4	1.9
AA47	1	B	67	65.5	67.0	1.5	67.8	2.3
AA48	1	B	67	66.0	67.5	1.5	67.6	1.6
AA49	1	B	67	66.1	67.6	1.5	67.4	1.3
AA50	1	B	67	66.4	67.8	1.4	67.9	1.5
AA51	1	B	67	66.1	67.6	1.5	68.1	2.0
AA52	1	B	67	66.3	67.8	1.5	68.1	1.8
AA53	1	B	67	66.6	68.1	1.5	68.1	1.5
AA54	1	B	67	66.9	68.4	1.5	68.2	1.3
AA55	1	B	67	67.0	68.5	1.5	68.0	1.0
AA56	1	B	67	60.7	62.2	1.5	61.4	0.7
AA57	1	B	67	59.9	61.3	1.4	60.3	0.4
AA58	1	B	67	59.4	60.9	1.5	59.9	0.5
AA59	1	B	67	57.3	58.7	1.4	58.6	1.3
AA60	1	B	67	56.8	58.3	1.5	58.6	1.8
AA61	1	B	67	55.4	56.8	1.4	57.8	2.4

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
AA62	1	B	67	55.9	57.4	1.5	57.9	2.0
AA63	1	B	67	55.6	57.0	1.4	57.7	2.1
AA64	1	B	67	56.1	57.5	1.4	58.4	2.3
AA65	1	B	67	56.3	57.7	1.4	58.3	2.0
AA66	1	B	67	55.6	57.0	1.4	57.9	2.3
AA67	1	B	67	55.9	57.3	1.4	58.0	2.1
AA68	1	B	67	55.2	56.6	1.4	57.8	2.6
AA69	1	B	67	55.5	56.9	1.4	57.7	2.2
AA70	1	B	67	56.4	57.9	1.5	61.4	5.0
AA71	1	B	67	57.6	59.1	1.5	58.6	1.0
AA72	1	B	67	57.5	59.0	1.5	58.3	0.8
AA73	1	B	67	59.4	60.9	1.5	60.4	1.0
AA74	1	B	67	59.9	61.3	1.4	60.8	0.9
AA75	1	B	67	61.1	62.6	1.5	62.8	1.7
AA76	1	B	67	61.1	62.6	1.5	62.9	1.8
AA77	1	B	67	61.7	63.1	1.4	63.8	2.1
AA78	1	B	67	50.0	51.4	1.4	53.4	3.4
AA79	1	B	67	50.1	51.5	1.4	53.5	3.4
AA80	1	B	67	50.1	51.5	1.4	53.5	3.4
AA81	1	B	67	50.0	51.4	1.4	53.4	3.4
AA82	1	B	67	49.7	51.1	1.4	53.0	3.3
AA83	1	B	67	51.4	52.8	1.4	54.2	2.8
AA84	1	B	67	52.2	53.6	1.4	54.7	2.5
AA85	1	B	67	51.6	53.1	1.5	54.6	3.0
AA86	1	B	67	51.5	52.9	1.4	54.3	2.8
AA87	1	B	67	51.7	53.1	1.4	54.3	2.6
AA88	1	B	67	51.6	53.0	1.4	54.8	3.2
AA89	1	B	67	51.1	52.5	1.4	54.5	3.4
AA90	1	B	67	51.0	52.5	1.5	54.2	3.2
AA91	1	B	67	51.5	52.9	1.4	54.4	2.9
AA92	1	B	67	52.8	54.2	1.4	56.6	3.8
AA93	1	B	67	52.3	53.7	1.4	55.3	3.0
AA94	1	B	67	50.8	52.2	1.4	54.8	4.0
AA95	1	B	67	50.0	51.5	1.5	54.3	4.3
AA96	1	B	67	50.3	51.7	1.4	53.3	3.0
AA97	1	B	67	51.7	53.1	1.4	54.3	2.6
AA98	1	B	67	50.9	52.3	1.4	52.9	2.0
AA99	1	B	67	50.7	52.1	1.4	53.5	2.8
AA100	1	B	67	51.0	52.4	1.4	54.9	3.9
AA101	1	B	67	51.0	52.4	1.4	53.8	2.8
AA102	1	B	67	52.0	53.4	1.4	54.0	2.0
AA103	1	B	67	56.7	58.2	1.5	57.6	0.9
AA104	1	B	67	57.9	59.3	1.4	60.7	2.8
AA105	1	B	67	64.5	65.9	1.4	65.2	0.7
AA106	1	B	67	62.6	64.0	1.4	63.2	0.6
AA107	1	B	67	61.3	62.7	1.4	61.8	0.5
AA108	1	B	67	60.3	61.8	1.5	60.8	0.5

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
AA109	1	B	67	59.4	60.8	1.4	60.0	0.6
AA110	1	B	67	58.3	59.7	1.4	59.0	0.7
AA111	1	C	67	70.6	72.2	1.6	71.4	0.8
AA112	2	B	67	65.9	67.4	1.5	66.9	1.0
AA113	2	B	67	62.7	64.2	1.5	63.8	1.1
AA114	2	B	67	60.6	62.0	1.4	62.7	2.1
AA115	2	B	67	57.6	59.1	1.5	60.4	2.8
AA116	1	C	67	71.6	73.2	1.6	72.2	0.6
AA117	2	B	67	68.7	70.1	1.4	68.0	-0.7
AA118	2	B	67	64.5	66.0	1.5	64.6	0.1
AA119	2	B	67	61.8	63.2	1.4	62.3	0.5
AA120	1	C	67	70.5	72.1	1.6	71.2	0.7
AA121	1	B	67	67.9	69.4	1.5	68.3	0.4
AA122	1	B	67	65.0	66.5	1.5	65.5	0.5
AA123	1	B	67	65.7	67.1	1.4	64.7	-1.0
AA124	1	B	67	63.8	65.2	1.4	63.3	-0.5
AA125	1	B	67	61.9	63.4	1.5	62.3	0.4
AA126	1	B	67	61.1	62.5	1.4	61.8	0.7
AA127	1	B	67	59.8	61.3	1.5	60.2	0.4
AA128	1	B	67	60.1	61.6	1.5	59.1	-1.0
AA129	1	C	67	70.6	72.1	1.5	71.1	0.5
AA130	1	B	67	68.4	69.8	1.4	69.0	0.6
AA131	1	B	67	68.5	69.9	1.4	69.1	0.6
AA132	1	B	67	68.4	69.9	1.5	69.0	0.6
AA133	1	B	67	68.4	69.9	1.5	69.0	0.6
AA134	1	B	67	68.4	69.9	1.5	69.0	0.6
AA135	1	B	67	58.1	59.4	1.3	58.1	0.0
AA136	1	B	67	57.6	58.7	1.1	57.6	0.0
AA137	1	B	67	57.6	58.8	1.2	57.9	0.3
AA138	1	B	67	51.3	52.7	1.4	52.2	0.9
AA139	1	B	67	50.9	52.3	1.4	51.8	0.9
AA140	1	B	67	59.3	60.5	1.2	59.8	0.5
AA141	1	B	67	54.7	56.1	1.4	55.4	0.7
AA142	1	B	67	51.7	53.2	1.5	52.9	1.2
AA143	1	B	67	51.1	52.5	1.4	52.1	1.0
AA144	1	B	67	48.2	49.6	1.4	50.7	2.5
AA145	1	B	67	50.1	51.5	1.4	51.5	1.4
AA146	1	B	67	51.0	52.4	1.4	52.5	1.5
AA147	1	B	67	50.2	51.5	1.3	52.4	2.2
AA148	1	B	67	50.2	51.5	1.3	52.7	2.5
AA149	1	C	67	70.2	71.8	1.6	71.0	0.8
AA150	1	C	67	69.9	71.4	1.5	71.0	1.1
AA151	1	C	67	68.7	70.2	1.5	69.9	1.2
AA152	1	B	67	70.6	72.0	1.4	70.8	0.2
AA153	1	B	67	72.0	73.4	1.4	72.0	0.0
AA154	1	B	67	72.0	73.4	1.4	72.2	0.2
AA155	1	B	67	70.6	72.0	1.4	70.7	0.1

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
AA156	1	B	67	71.9	73.3	1.4	72.0	0.1
AA157	1	B	67	72.0	73.4	1.4	72.1	0.1
AA158	1	B	67	70.4	71.8	1.4	70.6	0.2
AA159	1	B	67	71.8	73.2	1.4	71.9	0.1
AA160	1	B	67	71.9	73.3	1.4	72.0	0.1
AA161	1	B	67	70.4	71.7	1.3	70.6	0.2
AA162	1	B	67	71.8	73.1	1.3	71.8	0.0
AA163	1	B	67	71.8	73.2	1.4	72.0	0.2
AA164	1	B	67	70.5	71.8	1.3	70.6	0.1
AA165	1	B	67	71.7	73.1	1.4	71.8	0.1
AA166	1	B	67	71.8	73.2	1.4	71.9	0.1
AA167	1	B	67	70.3	71.7	1.4	70.5	0.2
AA168	1	B	67	71.7	73.0	1.3	71.7	0.0
AA169	1	B	67	71.7	73.1	1.4	71.9	0.2
AA170	1	B	67	45.4	46.8	1.4	49.0	3.6
AA171	1	B	67	48.4	49.8	1.4	51.3	2.9
AA172	1	B	67	55.2	56.5	1.3	57.5	2.3
AA173	1	B	67	43.4	44.8	1.4	46.0	2.6
AA174	1	B	67	47.0	48.3	1.3	50.0	3.0
AA175	1	B	67	52.5	53.9	1.4	54.7	2.2
AA176	1	B	67	42.4	43.7	1.3	45.1	2.7
AA177	1	B	67	46.4	47.7	1.3	49.8	3.4
AA178	1	B	67	51.0	52.3	1.3	53.6	2.6
AA179	1	B	67	42.9	44.1	1.2	45.7	2.8
AA180	1	B	67	46.1	47.4	1.3	49.4	3.3
AA181	1	B	67	51.2	52.4	1.2	53.8	2.6
AA182	1	B	67	46.4	47.8	1.4	49.4	3.0
AA183	1	B	67	48.1	49.4	1.3	50.0	1.9
AA184	1	B	67	53.6	55.0	1.4	54.9	1.3
AA185	72	B	67	50.1	51.5	1.4	52.4	2.3
AA186	1	B	67	47.2	48.6	1.4	50.4	3.2
AA187	1	B	67	49.0	50.4	1.4	51.6	2.6
AA188	1	B	67	54.2	55.6	1.4	56.6	2.4
AA189	1	B	67	52.8	54.2	1.4	54.1	1.3
AA190	1	B	67	56.7	58.1	1.4	57.0	0.3
AA191	1	B	67	58.1	59.6	1.5	58.9	0.8
AA192	1	B	67	53.2	54.6	1.4	54.5	1.3
AA193	1	B	67	57.1	58.6	1.5	57.7	0.6
AA194	1	B	67	58.5	59.9	1.4	59.6	1.1
AA195	1	B	67	52.7	54.2	1.5	54.0	1.3
AA196	1	B	67	57.5	58.9	1.4	57.9	0.4
AA197	1	B	67	58.6	60.0	1.4	59.5	0.9
AA198	1	B	67	51.8	53.3	1.5	53.0	1.2
AA199	1	B	67	57.2	58.6	1.4	57.0	-0.2
AA200	1	B	67	58.6	60.0	1.4	58.6	0.0
AA201	1	B	67	62.2	63.4	1.2	63.2	1.0
AA202	1	B	67	64.6	65.7	1.1	64.7	0.1

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
AA203	1	B	67	64.8	66.0	1.2	65.2	0.4
AA204	1	B	67	60.6	61.8	1.2	62.2	1.6
AA205	1	B	67	63.5	64.7	1.2	63.8	0.3
AA206	1	B	67	63.9	65.1	1.2	64.4	0.5
AA207	1	B	67	58.2	59.4	1.2	60.2	2.0
AA208	1	B	67	61.6	62.7	1.1	62.0	0.4
AA209	1	B	67	62.2	63.4	1.2	62.8	0.6
AA210	1	B	67	57.8	59.0	1.2	59.8	2.0
AA211	1	B	67	61.3	62.4	1.1	61.7	0.4
AA212	1	B	67	62.0	63.1	1.1	62.5	0.5
AA213	1	B	67	55.2	56.3	1.1	57.3	2.1
AA214	1	B	67	60.5	61.6	1.1	60.7	0.2
AA215	1	B	67	61.1	62.2	1.1	61.4	0.3
AA216	1	B	67	55.3	56.5	1.2	57.2	1.9
AA217	1	B	67	60.2	61.3	1.1	60.4	0.2
AA218	1	B	67	60.9	62.0	1.1	61.2	0.3
AA219	1	B	67	55.7	56.8	1.1	57.2	1.5
AA220	1	B	67	59.9	61.0	1.1	59.8	-0.1
AA221	1	B	67	60.5	61.7	1.2	60.6	0.1
AA222	1	B	67	55.2	56.4	1.2	56.5	1.3
AA223	1	B	67	59.8	60.9	1.1	59.6	-0.2
AA224	1	B	67	60.5	61.6	1.1	60.5	0.0
AA225	1	B	67	69.1	70.5	1.4	69.7	0.6
AA226	1	B	67	71.6	72.9	1.3	71.5	-0.1
AA227	1	B	67	71.7	73.0	1.3	71.7	0.0
AA228	1	B	67	69.1	70.5	1.4	69.7	0.6
AA229	1	B	67	71.5	72.9	1.4	71.5	0.0
AA230	1	B	67	71.6	72.9	1.3	71.6	0.0
AA231	1	B	67	68.9	70.3	1.4	69.6	0.7
AA232	1	B	67	71.4	72.8	1.4	71.3	-0.1
AA233	1	B	67	71.5	72.8	1.3	71.5	0.0
AA234	1	B	67	68.8	70.2	1.4	69.5	0.7
AA235	1	B	67	71.4	72.7	1.3	71.2	-0.2
AA236	1	B	67	71.5	72.8	1.3	71.4	-0.1
AA237	1	B	67	68.7	70.1	1.4	69.4	0.7
AA238	1	B	67	71.3	72.6	1.3	71.1	-0.2
AA239	1	B	67	71.4	72.7	1.3	71.3	-0.1
AA240	1	B	67	51.9	53.2	1.3	52.9	1.0
AA241	1	B	67	52.5	53.8	1.3	53.0	0.5
AA242	1	B	67	57.6	58.8	1.2	57.9	0.3
AA243	1	B	67	52.3	53.6	1.3	53.3	1.0
AA244	1	B	67	52.6	53.9	1.3	52.9	0.3
AA245	1	B	67	58.0	59.2	1.2	58.3	0.3
AA246	1	B	67	52.6	53.8	1.2	53.5	0.9
AA247	1	B	67	52.7	53.9	1.2	52.8	0.1
AA248	1	B	67	58.3	59.5	1.2	58.5	0.2
AA249	1	B	67	52.5	53.8	1.3	53.5	1.0

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
AA250	1	B	67	52.6	53.9	1.3	52.8	0.2
AA251	1	B	67	58.3	59.5	1.2	58.5	0.2
AA252	1	B	67	52.1	53.4	1.3	53.0	0.9
AA253	1	B	67	52.9	54.2	1.3	53.4	0.5
AA254	1	B	67	58.0	59.3	1.3	58.1	0.1
AA255	1	B	67	60.8	61.9	1.1	60.9	0.1
AA256	1	B	67	61.8	63.0	1.2	60.7	-1.1
AA257	1	B	67	62.3	63.4	1.1	61.6	-0.7
AA258	1	B	67	61.6	62.7	1.1	61.6	0.0
AA259	1	B	67	62.3	63.4	1.1	61.2	-1.1
AA260	1	B	67	62.5	63.7	1.2	61.7	-0.8
AA261	1	B	67	61.4	62.5	1.1	60.9	-0.5
AA262	1	B	67	62.6	63.7	1.1	61.1	-1.5
AA263	1	B	67	63.0	64.1	1.1	61.9	-1.1
AA264	1	B	67	61.1	62.2	1.1	60.2	-0.9
AA265	1	B	67	62.9	64.0	1.1	61.2	-1.7
AA266	1	B	67	63.3	64.4	1.1	62.1	-1.2
AA267	1	B	67	61.3	62.4	1.1	60.4	-0.9
AA268	1	B	67	63.1	64.2	1.1	61.4	-1.7
AA269	1	B	67	63.4	64.6	1.2	62.2	-1.2
AA270	120	B	67	61.6	62.7	1.1	61.4	-0.2
AA271	1	C	67	68.4	69.9	1.5	69.7	1.3
AA272	1	B	67	67.4	68.8	1.4	68.2	0.8
AA273	1	B	67	70.5	71.8	1.3	69.8	-0.7
AA274	1	B	67	70.7	72.0	1.3	70.1	-0.6
AA275	1	B	67	67.5	68.9	1.4	68.1	0.6
AA276	1	B	67	70.5	71.8	1.3	69.7	-0.8
AA277	1	B	67	70.6	71.9	1.3	70.0	-0.6
AA278	1	B	67	67.5	68.8	1.3	68.0	0.5
AA279	1	B	67	70.4	71.7	1.3	69.6	-0.8
AA280	1	B	67	70.5	71.8	1.3	69.9	-0.6
AA281	1	B	67	67.3	68.6	1.3	67.9	0.6
AA282	1	B	67	70.4	71.7	1.3	69.5	-0.9
AA283	1	B	67	70.5	71.8	1.3	69.9	-0.6
AA284	1	B	67	67.2	68.6	1.4	67.9	0.7
AA285	1	B	67	70.3	71.6	1.3	69.5	-0.8
AA286	1	B	67	70.5	71.8	1.3	69.9	-0.6
AA287	1	B	67	51.5	52.7	1.2	52.3	0.8
AA288	1	B	67	52.6	53.9	1.3	53.1	0.5
AA289	1	B	67	57.7	58.9	1.2	57.8	0.1
AA290	1	B	67	52.4	53.7	1.3	53.2	0.8
AA291	1	B	67	52.5	53.7	1.2	52.6	0.1
AA292	1	B	67	58.5	59.7	1.2	58.6	0.1
AA293	1	B	67	52.5	53.7	1.2	53.3	0.8
AA294	1	B	67	52.5	53.8	1.3	52.6	0.1
AA295	1	B	67	58.5	59.7	1.2	58.6	0.1
AA296	1	B	67	52.3	53.5	1.2	53.1	0.8

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
AA297	1	B	67	52.6	53.9	1.3	52.8	0.2
AA298	1	B	67	58.4	59.6	1.2	58.4	0.0
AA299	1	B	67	52.0	53.3	1.3	52.9	0.9
AA300	1	B	67	52.6	53.9	1.3	53.1	0.5
AA301	1	B	67	58.1	59.3	1.2	58.1	0.0
AA302	1	B	67	60.4	61.5	1.1	60.9	0.5
AA303	1	B	67	63.8	64.9	1.1	63.2	-0.6
AA304	1	B	67	64.4	65.6	1.2	63.8	-0.6
AA305	1	B	67	59.8	60.9	1.1	60.6	0.8
AA306	1	B	67	63.6	64.8	1.2	63.2	-0.4
AA307	1	B	67	64.3	65.5	1.2	63.8	-0.5
AA308	1	B	67	59.2	60.4	1.2	60.2	1.0
AA309	1	B	67	63.4	64.6	1.2	63.1	-0.3
AA310	1	B	67	64.2	65.4	1.2	63.8	-0.4
AA311	1	B	67	56.9	58.1	1.2	58.1	1.2
AA312	1	B	67	63.2	64.4	1.2	63.1	-0.1
AA313	1	B	67	64.1	65.3	1.2	63.8	-0.3
AA314	1	B	67	56.8	58.0	1.2	57.8	1.0
AA315	1	B	67	63.3	64.5	1.2	63.2	-0.1
AA316	1	B	67	64.2	65.4	1.2	63.8	-0.4
AA317	1	C	67	68.0	69.6	1.6	69.3	1.3
AA318	1	B	67	65.0	66.4	1.4	66.1	1.1
AA319	1	B	67	61.5	62.7	1.2	62.5	1.0
AA320	1	B	67	59.3	60.4	1.1	60.0	0.7
AA321	1	C	67	69.4	71.1	1.7	70.9	1.5
AA322	1	B	67	64.4	65.8	1.4	65.6	1.2
AA323	1	B	67	61.2	62.4	1.2	62.4	1.2
AA324	1	B	67	60.7	61.9	1.2	61.8	1.1
AA325	1	C	67	69.3	71.0	1.7	71.0	1.7
AA326	4	E	72	63.2	64.5	1.3	64.1	0.9
AA327	1	C	67	66.6	68.4	1.8	68.4	1.8
AA328	1	C	67	66.1	68.0	1.9	68.0	1.9
AA329	1	C	67	67.7	69.6	1.9	69.5	1.8
AA330	6	E	72	64.3	65.5	1.2	65.1	0.8
AA331	1	E	72	62.8	64.1	1.3	64.0	1.2
AA332	1	C	67	72.9	74.4	1.5	73.2	0.3
AA333	1	C	67	70.1	71.5	1.4	71.2	1.1
AA334	1	C	67	69.1	70.5	1.4	70.4	1.3
BB1	1	E	72	67.0	68.3	1.3	68.1	1.1
BB2	1	E	72	65.8	67.4	1.6	67.1	1.3
BB3	1	E	72	59.9	61.1	1.2	60.1	0.2
BB4	1	E	72	65.5	66.8	1.3	65.3	-0.2
BB5	1	C	67	70.8	72.6	1.8	71.2	0.4
BB6	1	B	67	64.9	66.2	1.3	64.9	0.0
BB7	1	C	67	73.7	75.3	1.6	73.7	0.0
BB8	1	C	67	72.0	73.5	1.5	71.9	-0.1
BB9	1	C	67	70.0	71.5	1.5	70.5	0.5

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
BB10	1	F	N/A	63.7	65.1	1.4	64.4	0.7
BB11	1	C	67	70.0	71.5	1.5	70.4	0.4
BB12	1	B	67	59.5	60.8	1.3	59.4	-0.1
BB13	1	B	67	59.8	61.2	1.4	59.8	0.0
BB14	1	B	67	60.3	61.6	1.3	60.2	-0.1
BB15	1	B	67	61.3	62.7	1.4	61.1	-0.2
BB16	1	B	67	63.0	64.4	1.4	62.9	-0.1
BB17	1	C	67	69.0	70.6	1.6	69.4	0.4
BB18	1	E	72	71.6	72.7	1.1	70.6	-1.0
BB19	1	C	67	70.3	72.0	1.7	70.7	0.4
BB20	1	E	72	61.6	63.0	1.4	61.9	0.3
BB21	1	E	72	62.6	64.1	1.5	62.8	0.2
BB22	1	E	72	62.8	64.3	1.5	63.0	0.2
BB23	1	C	67	69.4	71.1	1.7	69.8	0.4
BB24	1	B	67	65.8	67.2	1.4	66.2	0.4
BB25	1	B	67	71.6	72.9	1.3	70.6	-1.0
BB26	1	E	72	59.4	60.9	1.5	59.7	0.3
BB27	1	E	72	58.2	59.8	1.6	58.8	0.6
BB28	1	E	72	58.3	59.7	1.4	58.7	0.4
BB29	1	C	67	66.3	68.0	1.7	66.7	0.4
BB30	1	C	67	58.7	60.1	1.4	58.8	0.1
BB31	1	C	67	56.3	57.8	1.5	56.8	0.5
BB32	1	C	67	58.3	59.7	1.4	58.7	0.4
BB33	1	C	67	59.7	61.2	1.5	60.0	0.3
BB34	1	C	67	62.3	63.8	1.5	63.2	0.9
BB35	1	C	67	65.5	66.8	1.3	65.5	0.0
BB36	1	C	67	67.5	68.8	1.3	67.0	-0.5
BB37	1	C	67	69.5	70.7	1.2	68.2	-1.3
BB38	1	C	67	67.6	68.9	1.3	67.0	-0.6
BB39	1	C	67	62.8	64.1	1.3	61.4	-1.4
BB40	1	C	67	59.1	60.4	1.3	58.5	-0.6
CC1	1	E	72	68.3	69.6	1.3	65.7	-2.6
CC2	1	F	N/A	59.7	61.0	1.3	59.5	-0.2
CC3	1	F	N/A	60.2	61.6	1.4	59.0	-1.2
DD1	1	E	72	59.4	60.9	1.5	60.8	1.4
DD2	1	E	72	60.1	61.9	1.8	61.8	1.7
DD3	1	E	72	69.3	70.5	1.2	70.6	1.3
DD4	1	B	67	60.6	62.0	1.4	61.7	1.1
DD5	1	B	67	59.2	60.6	1.4	59.9	0.7
DD6	1	E	72	72.4	73.8	1.4	72.1	-0.3
EE1	1	E	72	60.1	61.4	1.3	60.9	0.8
EE2	1	E	72	57.9	59.5	1.6	59.4	1.5
FF1	1	E	72	54.8	56.2	1.4	56.1	1.3
FF2	1	E	72	55.6	56.9	1.3	56.6	1.0
FF3	1	C	67	68.2	71.1	2.9	71.1	2.9
FF4	1	C	67	69.0	71.6	2.6	71.6	2.6
FF5	1	C	67	70.6	72.8	2.2	72.5	1.9

Table B1

Daytime Noise Analysis Summary
Existing and Future Scenarios

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria
XX	Increase of 5dBA or more (FHWA Leq)

Receptor		FHWA Noise Abatement Criteria		2015 Existing Condition	2040 No Build Conditions	Difference - Existing and No Build	2040 Build Conditions	Difference - Existing and Build
ID	Number of Units	Criteria	Leq	Leq	Leq	Leq	Leq	Leq
FF6	1	C	67	75.6	77.0	1.4	75.0	-0.6
GG1	1	E	72	63.9	65.3	1.4	64.2	0.3
GG2	1	E	72	58.3	59.7	1.4	59.1	0.8
GG3	1	E	72	59.1	60.5	1.4	59.8	0.7
GG4	1	E	72	60.0	61.4	1.4	60.7	0.7
GG5	1	E	72	62.2	63.6	1.4	62.7	0.5
GG6	1	E	72	65.6	67.0	1.4	66.2	0.6

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C1

Build Noise Barrier Cost Effectiveness - Wall B1 - 20 Foot Noise Barrier at 2630 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall B1	B1	B	1	67	71.1	62.9	**8.2**	3	Yes	Yes	20	2,630	51,816	$1,865,376	$621,792	Not Cost Effective
	B2	B	1	67	70.7	61.9	**8.8**									
	B2.5	B	1	67	61.1	57.9	3.2									
	B3	B	1	67	67.0	63.7	3.3									
	B4	B	1	67	65.1	59.1	**6.0**									

Table C2

Build Noise Barrier Cost Effectiveness - Wall B1 - 15 Foot Noise Barrier at 2630 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall B1	B1	B	1	67	71.1	63.5	**7.6**	1	Yes	Yes	15	2,630	39,126	$1,408,536	$1,408,536	Not Cost Effective
	B2	B	1	67	70.7	66.1	4.6									
	B2.5	B	1	67	61.1	59.4	1.7									
	B3	B	1	67	67.0	66.8	0.2									
	B4	B	1	67	65.1	63.5	1.6									

Table C3

Build Noise Barrier Cost Effectiveness - Wall B1 - 10 Foot Noise Barrier at 2630 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall B1	B1	B	1	67	71.1	65.3	**5.8**	1	Yes	No	10	2,630	26,236	$944,496	N/A	Does Not Meet Noise Reduction Design Goal
	B2	B	1	67	70.7	69.5	1.2									
	B2.5	B	1	67	61.1	60.6	0.5									
	B3	B	1	67	67.0	67.4	-0.4									
	B4	B	1	67	65.1	65.8	-0.7									

Table C4

Build Noise Barrier Cost Effectiveness - Wall B1 - 20 Foot Noise Barrier at 384 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall B1	B1	B	1	67	71.1	70.7	0.4	0	No	No	20	384	6,896	$248,256	N/A	Does Not Meet Noise Reduction Design Goal
	B2	B	1	67	70.7	71.0	-0.3									
	B2.5	B	1	67	61.1	59.6	1.5									
	B3	B	1	67	67.0	64.8	2.2									
	B4	B	1	67	65.1	60.2	4.9									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C5
Build Noise Barrier Cost Effectiveness - Wall B2 - 20 Foot Noise Barrier at 1610 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall B2	B5	B	2	67	63.3	59.4	3.9	3	Yes	No	20	1,610	31,416	$1,130,976	N/A	Does Not Meet Noise Reduction Design Goal
	B6	B	1	67	65.6	61.1	4.5									
	B7	B	2	67	66.3	60.8	**5.5**									
	B8	B	1	67	68.2	61.4	**6.8**									
	B9	B	1	67	64.3	59.4	4.9									
	B10	B	1	67	60.5	57.8	2.7									
	B11	B	1	67	59.4	57.2	2.2									
	B12	B	1	67	59.4	57.1	2.3									
	B13	B	2	67	64.0	62.7	1.3									

Table C6
Build Noise Barrier Cost Effectiveness - Wall C1 - 20 Foot Noise Barrier at 1355 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall C1	C1	B	1	67	70.9	62.4	**8.5**	2	Yes	Yes	20	1,355	26,316	$947,376	$473,688	Not Cost Effective
	C2	B	1	67	67.9	61.0	**6.9**									

Table C7
Build Noise Barrier Cost Effectiveness - Wall C1 - 15 Foot Noise Barrier at 1355 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall C1	C1	B	1	67	70.9	63.4	**7.5**	2	Yes	Yes	15	1,355	20,001	$720,036	$360,018	Not Cost Effective
	C2	B	1	67	67.9	62.7	**5.2**									

Table C8
Build Noise Barrier Cost Effectiveness - Wall C1 - 10 Foot Noise Barrier at 1355 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall C1	C1	B	1	67	70.9	65.9	**5.0**	1	Yes	No	10	1,355	13,486	$485,496	N/A	Does Not Meet Noise Reduction Design Goal
	C2	B	1	67	67.9	65.4	2.5									

Table C9
Build Noise Barrier Cost Effectiveness - Wall C1 - 20 Foot Noise Barrier at 256 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall C1	C1	B	1	67	70.9	67.0	3.9	0	No	No	20	256	4,336	$156,096	N/A	Does Not Meet Noise Reduction Design Goal
	C2	B	1	67	67.9	68.8	-0.9									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C10
Build Noise Barrier Cost Effectiveness - Wall D1 - 20 Foot Noise Barrier at 545 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D1	D1	B	1	67	71.2	61.9	**9.3**	1	Yes	Yes	20	545	10,116	$364,176	$364,176	Not Cost Effective
	D2	B	2	67	67.3	62.9	4.4									
	D3	B	1	67	65.7	62.4	3.3									
	D4	B	1	67	63.7	61.2	2.5									
	D5	B	1	67	62.7	60.8	1.9									

Table C11
Build Noise Barrier Cost Effectiveness - Wall D1 - 15 Foot Noise Barrier at 545 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D1	D1	B	1	67	71.2	62.9	**8.3**	1	Yes	Yes	15	545	7,851	$282,636	$282,636	Not Cost Effective
	D2	B	2	67	67.3	64.0	3.3									
	D3	B	1	67	65.7	63.2	2.5									
	D4	B	1	67	63.7	61.8	1.9									
	D5	B	1	67	62.7	61.3	1.4									

Table C12
Build Noise Barrier Cost Effectiveness - Wall D1 - 10 Foot Noise Barrier at 545 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D1	D1	B	1	67	71.2	65.4	**5.8**	1	Yes	No	10	545	5,386	$193,896	N/A	Does Not Meet Noise Reduction Design Goal
	D2	B	2	67	67.3	65.8	1.5									
	D3	B	1	67	65.7	64.6	1.1									
	D4	B	1	67	63.7	62.6	1.1									
	D5	B	1	67	62.7	61.9	0.8									

Table C13
Build Noise Barrier Cost Effectiveness - Wall D1 - 20 Foot Noise Barrier at 256 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D1	D1	B	1	67	71.2	69.3	1.9	0	No	No	20	256	4,336	$156,096	N/A	Does Not Meet Noise Reduction Design Goal
	D2	B	2	67	67.3	66.6	0.7									
	D3	B	1	67	65.7	65.3	0.4									
	D4	B	1	67	63.7	63.4	0.3									
	D5	B	1	67	62.7	62.4	0.3									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C14
Build Noise Barrier Cost Effectiveness - Wall D2 - 20 Foot Noise Barrier at 3240 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D2	D6	C	1	67	73.2	63.0	**10.2**	16	Yes	Yes	20	3,240	64,016	$2,304,576	$144,036	Not Cost Effective
	D7	B	1	67	71.8	63.1	**8.7**									
	D8	B	1	67	66.9	59.9	**7.0**									
	D9	B	1	67	67.0	58.6	**8.4**									
	D10	B	1	67	66.7	58.2	**8.5**									
	D11	B	1	67	69.2	59.6	**9.6**									
	D12	B	1	67	69.6	60.2	**9.4**									
	D13	B	1	67	65.2	58.4	**6.8**									
	D14	B	1	67	66.7	59.1	**7.6**									
	D15	B	2	67	64.7	58.4	**6.3**									
	D16	B	1	67	63.4	57.8	**5.6**									
	D17	B	1	67	61.0	55.7	**5.3**									
	D18	B	1	67	60.5	55.5	**5.0**									
	D19	B	1	67	71.9	61.4	**10.5**									
	D20	B	1	67	70.6	61.8	**8.8**									

Table C15
Build Noise Barrier Cost Effectiveness - Wall D2 - 15 Foot Noise Barrier at 3240 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D2	D6	C	1	67	73.2	64.0	**9.2**	10	Yes	Yes	15	3,240	48,276	$1,737,936	$173,794	Not Cost Effective
	D7	B	1	67	71.8	64.4	**7.4**									
	D8	B	1	67	66.9	61.5	**5.4**									
	D9	B	1	67	67.0	60.6	**6.4**									
	D10	B	1	67	66.7	60.4	**6.3**									
	D11	B	1	67	69.2	62.3	**6.9**									
	D12	B	1	67	69.6	63.4	**6.2**									
	D13	B	1	67	65.2	60.7	4.5									
	D14	B	1	67	66.7	61.7	**5.0**									
	D15	B	2	67	64.7	61.4	3.3									
	D16	B	1	67	63.4	60.8	2.6									
	D17	B	1	67	61.0	59.1	1.9									
	D18	B	1	67	60.5	58.6	1.9									
	D19	B	1	67	71.9	64.4	**7.5**									
	D20	B	1	67	70.6	63.1	**7.5**									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C16
Build Noise Barrier Cost Effectiveness - Wall D2 - 10 Foot Noise Barrier at 3240 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D2	D6	C	1	67	73.2	65.9	**7.3**	2	Yes	Yes	10	3,240	32,336	$1,164,096	$582,048	Not Cost Effective
	D7	B	1	67	71.8	66.7	**5.1**									
	D8	B	1	67	66.9	63.5	3.4									
	D9	B	1	67	67.0	63.5	3.5									
	D10	B	1	67	66.7	63.5	3.2									
	D11	B	1	67	69.2	65.7	3.5									
	D12	B	1	67	69.6	66.8	2.8									
	D13	B	1	67	65.2	63.3	1.9									
	D14	B	1	67	66.7	63.9	2.8									
	D15	B	2	67	64.7	63.5	1.2									
	D16	B	1	67	63.4	62.7	0.7									
	D17	B	1	67	61.0	60.6	0.4									
	D18	B	1	67	60.5	60.0	0.5									
	D19	B	1	67	71.9	68.3	3.6									
	D20	B	1	67	70.6	66.3	4.3									

Table C17
Build Noise Barrier Cost Effectiveness - Wall D2 - 20 Foot Noise Barrier at 1472 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D2	D6	C	1	67	73.2	63.0	**10.2**	8	Yes	Yes	20	1,472	28,656	$1,031,616	$128,952	Not Cost Effective
	D7	B	1	67	71.8	63.1	**8.7**									
	D8	B	1	67	66.9	60.0	**6.9**									
	D9	B	1	67	67.0	58.8	**8.2**									
	D10	B	1	67	66.7	58.2	**8.5**									
	D11	B	1	67	69.2	60.2	**9.0**									
	D12	B	1	67	69.6	61.2	**8.4**									
	D13	B	1	67	65.2	59.9	**5.3**									
	D14	B	1	67	66.7	62.6	4.1									
	D15	B	2	67	64.7	62.9	1.8									
	D16	B	1	67	63.4	62.4	1.0									
	D17	B	1	67	61.0	60.8	0.2									
	D18	B	1	67	60.5	60.2	0.3									

Table C18
Build Noise Barrier Cost Effectiveness - Wall D2 - 15 Foot Noise Barrier at 1472 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D2	D6	C	1	67	73.2	64.0	**9.2**	7	Yes	Yes	15	1,472	21,756	$783,216	$111,888	Not Cost Effective
	D7	B	1	67	71.8	64.5	**7.3**									
	D8	B	1	67	66.9	61.6	**5.3**									
	D9	B	1	67	67.0	60.7	**6.3**									
	D10	B	1	67	66.7	60.4	**6.3**									
	D11	B	1	67	69.2	62.5	**6.7**									
	D12	B	1	67	69.6	63.6	**6.0**									
	D13	B	1	67	65.2	61.4	3.8									
	D14	B	1	67	66.7	63.3	3.4									
	D15	B	2	67	64.7	63.3	1.4									
	D16	B	1	67	63.4	62.6	0.8									
	D17	B	1	67	61.0	60.9	0.1									
	D18	B	1	67	60.5	60.3	0.2									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C19
Build Noise Barrier Cost Effectiveness - Wall D2 - 10 Foot Noise Barrier at 1472 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D2	D6	C	1	67	73.2	65.9	**7.3**	2	Yes	Yes	10	1,472	14,656	$527,616	$263,808	Not Cost Effective
	D7	B	1	67	71.8	66.7	**5.1**									
	D8	B	1	67	66.9	63.5	3.4									
	D9	B	1	67	67.0	63.5	3.5									
	D10	B	1	67	66.7	63.4	3.3									
	D11	B	1	67	69.2	65.7	3.5									
	D12	B	1	67	69.6	66.9	2.7									
	D13	B	1	67	65.2	63.5	1.7									
	D14	B	1	67	66.7	64.4	2.3									
	D15	B	2	67	64.7	63.8	0.9									
	D16	B	1	67	63.4	63.0	0.4									
	D17	B	1	67	61.0	60.9	0.1									
	D18	B	1	67	60.5	60.3	0.2									

Table C20
Build Noise Barrier Cost Effectiveness - Wall D2 - 20 Foot Noise Barrier at 256 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D2	D6	C	1	67	73.2	73.2	0.0	0	No	No	20	256	4,336	$156,096	N/A	Does Not Meet Noise Reduction Design Goal
	D7	B	1	67	71.8	71.8	0.0									
	D8	B	1	67	66.9	66.8	0.1									
	D9	B	1	67	67.0	66.7	0.3									
	D10	B	1	67	66.7	66.0	0.7									
	D11	B	1	67	69.2	68.3	0.9									
	D12	B	1	67	69.6	67.0	2.6									
	D13	B	1	67	65.2	62.8	2.4									
	D14	B	1	67	66.7	65.2	1.5									
	D15	B	2	67	64.7	64.0	0.7									
	D16	B	1	67	63.4	63.0	0.4									
	D17	B	1	67	61.0	61.1	-0.1									
	D18	B	1	67	60.5	60.5	0.0									

Table C21
Build Noise Barrier Cost Effectiveness - Wall D3 - 20 Foot Noise Barrier at 1152 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D3	D19	B	1	67	71.9	65.2	**6.7**	2	Yes	Yes	20	1,152	22,256	$801,216	$400,608	Not Cost Effective
	D20	B	1	67	70.6	62.5	**8.1**									

Table C22
Build Noise Barrier Cost Effectiveness - Wall D3 - 15 Foot Noise Barrier at 1152 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D3	D19	B	1	67	71.9	66.0	**5.9**	2	Yes	Yes	15	1,152	16,956	$610,416	$305,208	Not Cost Effective
	D20	B	1	67	70.6	63.5	**7.1**									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C23
Build Noise Barrier Cost Effectiveness - Wall D3 - 10 Foot Noise Barrier at 1152 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D3	D19	B	1	67	71.9	68.4	3.5	0	No	No	10	1,152	11,456	$412,416	N/A	Does Not Meet Noise Reduction Design Goal
	D20	B	1	67	70.6	66.3	4.3									

Table C24
Build Noise Barrier Cost Effectiveness - Wall D3 - 20 Foot Noise Barrier at 128 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall D3	D19	B	1	67	71.9	70.2	1.7	0	No	No	20	128	1,776	$63,936	N/A	Does Not Meet Noise Reduction Design Goal
	D20	B	1	67	70.6	70.6	0.0									

Table C25
Build Noise Barrier Cost Effectiveness - Wall E1 - 20 Foot Noise Barrier at 230 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall E1	E1	B	1	67	69.3	67.0	2.3	0	No	No	20	230	3,816	$137,376	N/A	Does Not Meet Noise Reduction Design Goal

Table C26
Build Noise Barrier Cost Effectiveness - Wall E2 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall E2	E3	B	1	67	68.5	66.3	2.2	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C27
Build Noise Barrier Cost Effectiveness - Wall F1 - 20 Foot Noise Barrier at 2105 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall F1	F1	B	1	67	71.4	61.9	**9.5**	8	Yes	Yes	20	2,105	41,316	$1,487,376	$185,922	Not Cost Effective
	F2	B	1	67	65.6	58.1	**7.5**									
	F3	B	1	67	70.5	60.0	**10.5**									
	F4	B	1	67	68.4	58.7	**9.7**									
	F5	B	1	67	69.2	59.0	**10.2**									
	F6	B	1	67	73.3	61.3	**12.0**									
	F7	B	1	67	64.6	57.5	**7.1**									
	F8	B	1	67	71.4	59.4	**12.0**									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C28
Build Noise Barrier Cost Effectiveness - Wall F1 - 15 Foot Noise Barrier at 2105 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall F1	F1	B	1	67	71.4	62.8	**8.6**	8	Yes	Yes	15	2,105	31,251	$1,125,036	$140,630	Not Cost Effective
	F2	B	1	67	65.6	59.2	**6.4**									
	F3	B	1	67	70.5	61.5	**9.0**									
	F4	B	1	67	68.4	60.2	**8.2**									
	F5	B	1	67	69.2	60.7	**8.5**									
	F6	B	1	67	73.3	63.2	**10.1**									
	F7	B	1	67	64.6	58.2	**6.4**									
	F8	B	1	67	71.4	60.4	**11.0**									

Table C29
Build Noise Barrier Cost Effectiveness - Wall F1 - 10 Foot Noise Barrier at 2105 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall F1	F1	B	1	67	71.4	64.6	**6.8**	4	Yes	Yes	10	2,105	20,986	$755,496	$188,874	Not Cost Effective
	F2	B	1	67	65.6	62.1	3.5									
	F3	B	1	67	70.5	65.2	**5.3**									
	F4	B	1	67	68.4	63.9	4.5									
	F5	B	1	67	69.2	64.4	4.8									
	F6	B	1	67	73.3	66.8	**6.5**									
	F7	B	1	67	64.6	59.8	4.8									
	F8	B	1	67	71.4	62.6	**8.8**									

Table C30
Build Noise Barrier Cost Effectiveness - Wall F1 - 20 Foot Noise Barrier at 1088 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall F1	F1	B	1	67	71.4	65.7	**5.7**	5	Yes	Yes	20	1,088	20,976	$755,136	$151,027	Not Cost Effective
	F2	B	1	67	65.6	59.6	**6.0**									
	F3	B	1	67	70.5	61.2	**9.3**									
	F4	B	1	67	68.4	59.7	**8.7**									
	F5	B	1	67	69.2	61.0	**8.2**									
	F6	B	1	67	73.3	69.3	4.0									
	F7	B	1	67	64.6	62.6	2.0									
	F8	B	1	67	71.4	70.1	1.3									

Table C31
Build Noise Barrier Cost Effectiveness - Wall F1 - 15 Foot Noise Barrier at 1088 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall F1	F1	B	1	67	71.4	66.0	**5.4**	5	Yes	Yes	15	1,088	15,996	$575,856	$115,171	Not Cost Effective
	F2	B	1	67	65.6	60.4	**5.2**									
	F3	B	1	67	70.5	62.4	**8.1**									
	F4	B	1	67	68.4	60.9	**7.5**									
	F5	B	1	67	69.2	62.1	**7.1**									
	F6	B	1	67	73.3	69.5	3.8									
	F7	B	1	67	64.6	62.6	2.0									
	F8	B	1	67	71.4	70.1	1.3									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C32
Build Noise Barrier Cost Effectiveness - Wall F1 - 10 Foot Noise Barrier at 1088 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall F1	F1	B	1	67	71.4	66.8	4.6	1	Yes	No	10	1,088	10,816	$389,376	N/A	Does Not Meet Noise Reduction Design Goal
	F2	B	1	67	65.6	62.6	3.0									
	F3	B	1	67	70.5	65.5	**5.0**									
	F4	B	1	67	68.4	64.1	4.3									
	F5	B	1	67	69.2	65.0	4.2									
	F6	B	1	67	73.3	70.2	3.1									
	F7	B	1	67	64.6	62.7	1.9									
	F8	B	1	67	71.4	70.1	1.3									

Table C33
Build Noise Barrier Cost Effectiveness - Wall H1 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall H1	H5	E	1	72	71.0	67.1	3.9	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal
	H6	E	1	72	68.6	65.3	3.3									

Table C34
Build Noise Barrier Cost Effectiveness - Wall I1 - 20 Foot Noise Barrier at 1990 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall I1	I5	B	1	67	62.3	60.3	2.0	23	Yes	Yes	20	1,990	39,016	$1,404,576	$61,069	Propose to Construct
	I6	B	1	67	67.5	63.7	3.8									
	I7	B	1	67	69.6	68.4	1.2									
	I8	B	1	67	62.2	60.5	1.7									
	I9	B	1	67	67.6	63.7	3.9									
	I10	B	1	67	62.3	60.6	1.7									
	I11	B	1	67	67.7	63.9	3.8									
	I12	B	2	67	69.9	68.4	1.5									
	I13	B	1	67	62.4	60.8	1.6									
	I14	B	1	67	67.9	64.2	3.7									
	I15	B	1	67	70.0	68.5	1.5									
	I16	B	1	67	62.3	60.8	1.5									
	I17	B	1	67	67.7	64.2	3.5									
	I18	B	1	67	70.2	68.5	1.7									
	I19	B	1	67	62.5	60.9	1.6									
	I20	B	1	67	67.7	64.3	3.4									
	I21	B	1	67	70.3	68.3	2.0									
	I22	B	1	67	61.7	60.3	1.4									
	I23	B	1	67	66.8	63.6	3.2									
	I24	B	1	67	69.8	67.5	2.3									
	I25	B	1	67	61.2	59.9	1.3									
	I26	B	1	67	66.3	63.1	3.2									
	I27	B	1	67	69.3	66.7	2.6									
	I28	B	1	67	60.8	59.6	1.2									
	I29	B	1	67	65.6	62.6	3.0									
	I30	B	1	67	68.8	65.9	2.9									
	I31	B	1	67	60.3	59.1	1.2									
	I32	B	1	67	65.0	62.0	3.0									
	I33	B	1	67	68.1	65.0	3.1									
	I34	B	1	67	59.7	58.6	1.1									
	I35	B	1	67	64.3	61.4	2.9									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C34 Continued
Build Noise Barrier Cost Effectiveness - Wall I1 - 20 Foot Noise Barrier at 1990 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	I36	B	1	67	67.5	64.2	3.3									
	I37	B	1	67	59.3	58.2	1.1									
	I38	B	1	67	63.9	61.0	2.9									
	I39	B	1	67	67.0	63.7	3.3									
	I40	B	1	67	56.4	51.6	4.8									
	I41	B	1	67	58.8	54.2	4.6									
	I42	B	1	67	61.0	60.3	0.7									
	I43	B	1	67	46.6	45.0	1.6									
	I44	B	1	67	49.4	48.0	1.4									
	I45	B	1	67	53.0	53.3	-0.3									
	I46	B	1	67	45.1	44.6	0.5									
	I47	B	1	67	48.2	47.8	0.4									
	I48	B	1	67	52.8	53.5	-0.7									
	I49	B	1	67	44.7	44.3	0.4									
	I50	B	1	67	48.0	47.8	0.2									
	I51	B	1	67	52.8	53.3	-0.5									
	I52	B	1	67	44.3	43.8	0.5									
	I53	B	1	67	47.8	47.8	0.0									
	I54	B	1	67	52.8	52.8	0.0									
	I55	B	1	67	45.2	44.5	0.7									
	I56	B	1	67	47.4	47.4	0.0									
	I57	B	1	67	53.0	53.1	-0.1									
	I58	B	1	67	45.9	45.1	0.8									
	I59	B	1	67	47.4	47.5	-0.1									
	I60	B	1	67	53.3	53.5	-0.2									
	I61	B	2	67	46.2	45.3	0.9									
	I62	B	1	67	48.0	47.9	0.1									
Wall I1	I63	B	1	67	53.0	53.1	-0.1	23	Yes	Yes	20	1,990	39,016	$1,404,576	$61,069	Propose to Construct
	I64	B	1	67	46.3	45.3	1.0									
	I65	B	1	67	48.2	48.0	0.2									
	I66	B	1	67	51.7	51.6	0.1									
	I67	B	1	67	46.6	45.4	1.2									
	I68	B	1	67	48.9	48.1	0.8									
	I69	B	1	67	51.7	51.4	0.3									
	I70	B	1	67	47.1	45.5	1.6									
	I71	B	1	67	49.6	48.2	1.4									
	I72	B	1	67	52.3	51.2	1.1									
	I73	B	1	67	55.3	53.9	1.4									
	I74	B	1	67	58.3	55.6	2.7									
	I75	B	1	67	61.4	58.6	2.8									
	I76	B	1	67	55.0	53.3	1.7									
	I77	B	1	67	57.6	55.1	2.5									
	I78	B	1	67	60.8	58.3	2.5									
	I79	B	1	67	54.6	52.8	1.8									
	I80	B	1	67	57.1	54.7	2.4									
	I81	B	1	67	60.3	58.0	2.3									
	I82	B	1	67	54.3	52.2	2.1									
	I83	B	1	67	56.7	54.2	2.5									
	I84	B	1	67	59.9	57.7	2.2									
	I85	B	1	67	54.0	51.8	2.2									
	I86	B	1	67	56.4	53.7	2.7									
	I87	B	1	67	59.3	57.3	2.0									
	I88	B	1	67	53.6	51.1	2.5									
	I89	B	1	67	55.9	53.1	2.8									
	I90	B	1	67	58.4	56.9	1.5									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C34 Continued
Build Noise Barrier Cost Effectiveness - Wall I1 - 20 Foot Noise Barrier at 1990 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	I91	B	1	67	53.2	50.4	2.8									
	I92	B	1	67	55.3	52.9	2.4									
	I93	B	1	67	57.6	56.4	1.2									
	I94	B	1	67	52.4	49.6	2.8									
	I95	B	1	67	53.0	50.3	2.7									
	I96	B	1	67	55.5	54.3	1.2									
	I97	B	1	67	50.0	47.8	2.2									
	I98	B	1	67	51.1	48.7	2.4									
	I99	B	1	67	54.6	53.2	1.4									
	I100	B	1	67	48.2	46.5	1.7									
	I101	B	1	67	50.2	48.6	1.6									
	I102	B	1	67	53.5	53.0	0.5									
	I103	B	1	67	58.8	57.8	1.0									
	I104	B	1	67	63.3	60.6	2.7									
	I105	B	1	67	66.6	63.1	3.5									
	I106	B	1	67	59.2	58.1	1.1									
	I107	B	1	67	63.7	61.0	2.7									
	I108	B	1	67	66.9	63.5	3.4									
	I109	B	1	67	59.6	58.3	1.3									
	I110	B	1	67	64.1	61.3	2.8									
	I111	B	1	67	67.1	63.8	3.3									
	I112	B	1	67	59.8	58.4	1.4									
	I113	B	1	67	64.4	61.3	3.1									
	I114	B	1	67	67.4	64.0	3.4									
	I115	B	1	67	59.8	58.3	1.5									
	I116	B	1	67	64.5	61.3	3.2									
	I117	B	1	67	67.8	64.2	3.6									
Wall I1	I118	B	1	67	60.0	58.2	1.8	23	Yes	Yes	20	1,990	39,016	$1,404,576	$61,069	Propose to Construct
	I119	B	1	67	64.7	61.3	3.4									
	I120	B	1	67	68.1	64.4	3.7									
	I121	B	1	67	60.3	58.2	2.1									
	I122	B	1	67	65.3	61.4	3.9									
	I123	B	1	67	68.6	65.0	3.6									
	I124	B	1	67	61.1	58.5	2.6									
	I125	B	1	67	66.1	61.3	4.8									
	I126	B	1	67	69.5	65.7	3.8									
	I127	B	1	67	61.9	58.7	3.2									
	I128	B	1	67	67.1	61.6	**5.5**									
	I129	B	1	67	63.0	59.3	3.7									
	I130	B	1	67	68.5	62.2	**6.3**									
	I131	B	1	67	71.8	67.7	4.1									
	I132	B	1	67	49.6	48.9	0.7									
	I133	B	1	67	51.2	50.8	0.4									
	I134	B	1	67	55.1	54.5	0.6									
	I135	B	1	67	50.2	49.5	0.7									
	I136	B	1	67	51.5	51.0	0.5									
	I137	B	1	67	55.6	55.0	0.6									
	I138	B	1	67	50.8	50.3	0.5									
	I139	B	1	67	52.8	52.7	0.1									
	I140	B	1	67	56.4	55.9	0.5									
	I141	B	1	67	51.8	50.6	1.2									
	I142	B	1	67	54.7	53.0	1.7									
	I143	B	1	67	57.6	56.2	1.4									
	I144	B	1	67	53.0	51.0	2.0									
	I145	B	1	67	56.2	53.7	2.5									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C34 Continued
Build Noise Barrier Cost Effectiveness - Wall I1 - 20 Foot Noise Barrier at 1990 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	I146	B	1	67	58.8	56.6	2.2									
	I147	B	1	67	54.4	51.7	2.7									
	I148	B	1	67	57.4	54.6	2.8									
	I149	B	1	67	60.2	57.1	3.1									
	I150	B	1	67	54.8	51.9	2.9									
	I151	B	1	67	57.9	55.0	2.9									
	I152	B	1	67	60.8	57.4	3.4									
	I153	B	1	67	55.2	52.2	3.0									
	I154	B	1	67	58.3	55.4	2.9									
	I155	B	1	67	61.2	57.6	3.6									
	I156	B	1	67	56.0	52.8	3.2									
	I157	B	1	67	59.2	56.1	3.1									
	I158	B	1	67	62.2	58.0	4.2									
	I159	B	1	67	56.5	53.2	3.3									
	I160	B	1	67	59.6	56.4	3.2									
	I161	B	1	67	62.6	58.3	4.3									
	I162	B	1	67	57.0	53.6	3.4									
	I163	B	1	67	60.0	56.8	3.2									
	I164	B	1	67	63.0	58.7	4.3									
	I165	B	1	67	57.4	54.1	3.3									
	I166	B	1	67	60.4	57.0	3.4									
	I167	B	1	67	63.2	59.0	4.2									
	I168	B	1	67	58.7	55.2	3.5									
	I169	B	1	67	61.6	57.9	3.7									
Wall I1	I170	B	1	67	64.7	59.9	4.8	23	Yes	Yes	20	1,990	39,016	$1,404,576	$61,069	Propose to Construct
	I171	B	1	67	59.1	55.5	3.6									
	I172	B	1	67	61.9	58.0	3.9									
	I173	B	1	67	65.1	60.1	**5.0**									
	I174	B	1	67	59.5	55.9	3.6									
	I175	B	1	67	62.4	58.3	4.1									
	I176	B	1	67	65.5	60.3	**5.2**									
	I177	B	1	67	60.0	56.3	3.7									
	I178	B	1	67	62.7	58.7	4.0									
	I179	B	1	67	66.0	60.6	**5.4**									
	I180	B	1	67	60.8	57.0	3.8									
	I181	B	1	67	63.6	59.2	4.4									
	I182	B	1	67	66.9	61.2	**5.7**									
	I183	B	1	67	62.7	58.3	4.4									
	I184	B	1	67	66.4	60.2	**6.2**									
	I185	B	1	67	68.9	62.4	**6.5**									
	I186	B	1	67	63.5	58.3	**5.2**									
	I187	B	1	67	67.5	60.4	**7.1**									
	I188	B	1	67	70.3	62.8	**7.5**									
	I189	B	1	67	64.0	58.6	**5.4**									
	I190	B	1	67	68.1	60.7	**7.4**									
	I191	B	1	67	71.0	63.2	**7.8**									
	I192	B	1	67	64.6	58.8	**5.8**									
	I193	B	1	67	69.0	61.0	**8.0**									
	I194	B	1	67	71.9	63.9	**8.0**									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C34 Continued
Build Noise Barrier Cost Effectiveness - Wall I1 - 20 Foot Noise Barrier at 1990 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall I1	I195	B	1	67	65.4	59.4	**6.0**	23	Yes	Yes	20	1,990	39,016	$1,404,576	$61,069	Propose to Construct
	I196	B	1	67	69.6	61.7	**7.9**									
	I197	B	1	67	73.2	65.1	**8.1**									
	I198	C	1	67	68.6	61.3	**7.3**									
	I199	C	1	67	70.2	63.1	**7.1**									
	I200	C	1	67	71.6	65.8	**5.8**									
	I216	B	1	67	68.6	68.1	0.5									
	I217	B	1	67	67.9	67.0	0.9									
	I218	B	1	67	67.0	65.7	1.3									
	I219	B	1	67	65.7	63.4	2.3									
	I220	B	1	67	65.3	62.5	2.8									
	I221	B	1	67	65.0	62.0	3.0									
	I222	B	1	67	64.8	61.4	3.4									
	I223	B	1	67	63.9	59.9	4.0									
	I224	B	1	67	63.1	58.8	4.3									

Table C35
Build Noise Barrier Cost Effectiveness - Wall I2 - 20 Foot Noise Barrier at 640 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall I2	I202	B	1	67	69.9	68.8	1.1	0	No	No	20	640	12,016	$432,576	N/A	Does Not Meet Noise Reduction Design Goal
	I203	B	1	67	69.2	67.9	1.3									
	I204	B	1	67	68.5	66.9	1.6									
	I205	B	1	67	67.5	66.1	1.4									
	I206	B	1	67	65.9	64.2	1.7									
	I207	B	1	67	64.1	62.5	1.6									
	I208	B	1	67	63.5	61.7	1.8									
	I209	B	1	67	62.4	60.8	1.6									
	I210	B	1	67	62.7	60.9	1.8									
	I211	B	1	67	62.9	61.6	1.3									
	I212	B	1	67	63.9	62.7	1.2									
	I213	B	1	67	64.1	62.4	1.7									
	I214	B	1	67	64.7	62.6	2.1									
	I215	B	1	67	65.7	64.2	1.5									
	I216	B	1	67	68.6	67.7	0.9									
	I217	B	1	67	67.9	66.7	1.2									
	I218	B	1	67	67.0	65.7	1.3									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C36
Build Noise Barrier Cost Effectiveness - Wall J1 - 20 Foot Noise Barrier at 2050 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	J1	B	1	67	64.3	60.2	4.1									
	J2	B	1	67	69.7	61.9	**7.8**									
	J3	B	1	67	70.8	62.7	**8.1**									
	J4	B	1	67	69.5	61.6	**7.9**									
	J5	B	1	67	70.0	62.0	**8.0**									
	J6	B	1	67	65.6	58.8	**6.8**									
	J7	B	1	67	66.9	59.8	**7.1**									
	J8	B	1	67	68.0	59.8	**8.2**									
	J9	B	1	67	71.0	62.3	**8.7**									
	J10	B	1	67	72.8	64.0	**8.8**									
	J11	B	1	67	72.2	64.3	**7.9**									
	J12	B	1	67	71.8	65.3	**6.5**									
	J13	B	1	67	63.1	58.2	4.9									
	J14	B	1	67	61.2	57.0	4.2									
	J15	B	1	67	59.3	56.4	2.9									
	J16	B	1	67	59.4	56.4	3.0									
	J17	B	1	67	59.1	56.2	2.9									
	J18	B	1	67	63.1	57.4	**5.7**									
	J19	B	1	67	59.5	56.1	3.4									
	J20	B	1	67	58.9	55.8	3.1									
	J21	B	1	67	58.3	55.6	2.7									
Wall J1	J22	B	1	67	57.6	55.2	2.4	12	Yes	Yes	20	2,050	40,216	$1,447,776	$120,648	Not Cost Effective
	J23	B	1	67	62.5	58.3	4.2									
	J24	B	1	67	58.7	57.1	1.6									
	J25	B	1	67	59.7	57.9	1.8									
	J26	B	1	67	61.1	59.0	2.1									
	J27	B	1	67	58.4	57.1	1.3									
	J28	B	1	67	59.0	57.8	1.2									
	J29	B	1	67	59.0	58.0	1.0									
	J30	B	1	67	59.5	58.4	1.1									
	J31	B	1	67	64.8	62.5	2.3									
	J32	B	1	67	65.9	63.7	2.2									
	J33	B	1	67	59.0	58.5	0.5									
	J34	B	1	67	59.9	59.3	0.6									
	J35	B	1	67	61.3	60.7	0.6									
	J36	B	1	67	63.0	62.4	0.6									
	J37	B	1	67	64.0	63.4	0.6									
	J38	B	1	67	65.9	65.5	0.4									
	J39	B	1	67	60.8	60.4	0.4									
	J40	B	1	67	61.8	61.4	0.4									
	J41	B	1	67	62.6	62.2	0.4									
	J42	B	1	67	64.5	64.3	0.2									
	J43	B	1	67	63.4	63.1	0.3									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C37
Build Noise Barrier Cost Effectiveness - Wall J1 - 15 Foot Noise Barrier at 2050 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	J1	B	1	67	64.3	62.0	2.3									
	J2	B	1	67	69.7	65.4	4.3									
	J3	B	1	67	70.8	66.9	3.9									
	J4	B	1	67	69.5	66.2	3.3									
	J5	B	1	67	70.0	65.4	4.6									
	J6	B	1	67	65.6	62.1	3.5									
	J7	B	1	67	66.9	63.2	3.7									
	J8	B	1	67	68.0	63.4	4.6									
	J9	B	1	67	71.0	65.3	**5.7**									
	J10	B	1	67	72.8	67.4	**5.4**									
	J11	B	1	67	72.2	67.2	**5.0**									
	J12	B	1	67	71.8	68.1	3.7									
	J13	B	1	67	63.1	60.5	2.6									
	J14	B	1	67	61.2	59.0	2.2									
	J15	B	1	67	59.3	57.7	1.6									
	J16	B	1	67	59.4	58.0	1.4									
	J17	B	1	67	59.1	58.0	1.1									
	J18	B	1	67	63.1	60.4	2.7									
	J19	B	1	67	59.5	58.1	1.4									
	J20	B	1	67	58.9	57.5	1.4									
	J21	B	1	67	58.3	57.2	1.1									
Wall J1	J22	B	1	67	57.6	56.7	0.9	3	Yes	No	15	2,050	30,426	$1,095,336	N/A	Does Not Meet Noise Reduction Design Goal
	J23	B	1	67	62.5	60.6	1.9									
	J24	B	1	67	58.7	58.0	0.7									
	J25	B	1	67	59.7	58.8	0.9									
	J26	B	1	67	61.1	60.1	1.0									
	J27	B	1	67	58.4	57.8	0.6									
	J28	B	1	67	59.0	58.4	0.6									
	J29	B	1	67	59.0	58.5	0.5									
	J30	B	1	67	59.5	59.0	0.5									
	J31	B	1	67	64.8	64.1	0.7									
	J32	B	1	67	65.9	64.8	1.1									
	J33	B	1	67	59.0	58.8	0.2									
	J34	B	1	67	59.9	59.6	0.3									
	J35	B	1	67	61.3	60.9	0.4									
	J36	B	1	67	63.0	62.7	0.3									
	J37	B	1	67	64.0	63.7	0.3									
	J38	B	1	67	65.9	65.7	0.2									
	J39	B	1	67	60.8	60.5	0.3									
	J40	B	1	67	61.8	61.6	0.2									
	J41	B	1	67	62.6	62.3	0.3									
	J42	B	1	67	64.5	64.4	0.1									
	J43	B	1	67	63.4	63.2	0.2									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C38
Build Noise Barrier Cost Effectiveness - Wall J1 - 20 Foot Noise Barrier at 1280 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	J1	B	1	67	64.3	62.0	2.3									
	J2	B	1	67	69.7	65.2	4.5									
	J3	B	1	67	70.8	64.3	**6.5**									
	J4	B	1	67	69.5	61.6	**7.9**									
	J5	B	1	67	70.0	63.0	**7.0**									
	J6	B	1	67	65.6	59.5	**6.1**									
	J7	B	1	67	66.9	60.6	**6.3**									
	J8	B	1	67	68.0	61.2	**6.8**									
	J9	B	1	67	71.0	64.8	**6.2**									
	J10	B	1	67	72.8	68.0	4.8									
	J11	B	1	67	72.2	69.4	2.8									
	J12	B	1	67	71.8	70.3	1.5									
	J13	B	1	67	63.1	60.1	3.0									
	J14	B	1	67	61.2	58.3	2.9									
	J15	B	1	67	59.3	57.1	2.2									
	J16	B	1	67	59.4	56.9	2.5									
	J17	B	1	67	59.1	56.7	2.4									
	J18	B	1	67	63.1	57.9	**5.2**									
	J19	B	1	67	59.5	56.4	3.1									
	J20	B	1	67	58.9	56.1	2.8									
	J21	B	1	67	58.3	55.8	2.5									
Wall J1	J22	B	1	67	57.6	55.4	2.2	8	Yes	Yes	20	1,280	24,816	$893,376	$111,672	Not Cost Effective
	J23	B	1	67	62.5	58.7	3.8									
	J24	B	1	67	58.7	57.6	1.1									
	J25	B	1	67	59.7	58.5	1.2									
	J26	B	1	67	61.1	59.9	1.2									
	J27	B	1	67	58.4	57.6	0.8									
	J28	B	1	67	59.0	58.4	0.6									
	J29	B	1	67	59.0	58.6	0.4									
	J30	B	1	67	59.5	59.1	0.4									
	J31	B	1	67	64.8	64.6	0.2									
	J32	B	1	67	65.9	65.9	0.0									
	J33	B	1	67	59.0	58.9	0.1									
	J34	B	1	67	59.9	59.7	0.2									
	J35	B	1	67	61.3	61.0	0.3									
	J36	B	1	67	63.0	62.9	0.1									
	J37	B	1	67	64.0	63.9	0.1									
	J38	B	1	67	65.9	65.9	0.0									
	J39	B	1	67	60.8	60.5	0.3									
	J40	B	1	67	61.8	61.6	0.2									
	J41	B	1	67	62.6	62.3	0.3									
	J42	B	1	67	64.5	64.5	0.0									
	J43	B	1	67	63.4	63.3	0.1									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C39
Build Noise Barrier Cost Effectiveness - Wall J1 - 15 Foot Noise Barrier at 1280 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	J1	B	1	67	64.3	62.9	1.4									
	J2	B	1	67	69.7	66.9	2.8									
	J3	B	1	67	70.8	67.4	3.4									
	J4	B	1	67	69.5	66.2	3.3									
	J5	B	1	67	70.0	65.8	4.2									
	J6	B	1	67	65.6	62.4	3.2									
	J7	B	1	67	66.9	63.5	3.4									
	J8	B	1	67	68.0	64.0	4.0									
	J9	B	1	67	71.0	66.7	4.3									
	J10	B	1	67	72.8	69.6	3.2									
	J11	B	1	67	72.2	70.3	1.9									
	J12	B	1	67	71.8	70.9	0.9									
	J13	B	1	67	63.1	61.4	1.7									
	J14	B	1	67	61.2	59.6	1.6									
	J15	B	1	67	59.3	58.0	1.3									
	J16	B	1	67	59.4	58.3	1.1									
	J17	B	1	67	59.1	58.1	1.0									
	J18	B	1	67	63.1	60.6	2.5									
	J19	B	1	67	59.5	58.2	1.3									
	J20	B	1	67	58.9	57.6	1.3									
	J21	B	1	67	58.3	57.3	1.0									
Wall J1	J22	B	1	67	57.6	56.8	0.8	0	No	No	15	1,280	18,876	$679,536	N/A	Does Not Meet Noise Reduction Design Goal
	J23	B	1	67	62.5	60.8	1.7									
	J24	B	1	67	58.7	58.3	0.4									
	J25	B	1	67	59.7	59.1	0.6									
	J26	B	1	67	61.1	60.6	0.5									
	J27	B	1	67	58.4	58.1	0.3									
	J28	B	1	67	59.0	58.8	0.2									
	J29	B	1	67	59.0	58.9	0.1									
	J30	B	1	67	59.5	59.5	0.0									
	J31	B	1	67	64.8	65.1	-0.3									
	J32	B	1	67	65.9	66.2	-0.3									
	J33	B	1	67	59.0	59.1	-0.1									
	J34	B	1	67	59.9	59.9	0.0									
	J35	B	1	67	61.3	61.2	0.1									
	J36	B	1	67	63.0	63.0	0.0									
	J37	B	1	67	64.0	64.0	0.0									
	J38	B	1	67	65.9	66.0	-0.1									
	J39	B	1	67	60.8	60.6	0.2									
	J40	B	1	67	61.8	61.7	0.1									
	J41	B	1	67	62.6	62.4	0.2									
	J42	B	1	67	64.5	64.5	0.0									
	J43	B	1	67	63.4	63.3	0.1									

Table C40
Build Noise Barrier Cost Effectiveness - Wall K1 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall K1	K2	B	1	67	69.3	67.8	1.5	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C41
Build Noise Barrier Cost Effectiveness - Wall L1 - 20 Foot Noise Barrier at 1290 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall L1	L1	B	1	67	74.3	66.4	**7.9**	1	Yes	Yes	20	1,290	25,016	$900,576	$900,576	Not Cost Effective
	L2	B	1	67	66.8	63.1	3.7									

Table C42
Build Noise Barrier Cost Effectiveness - Wall L1 - 15 Foot Noise Barrier at 1290 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall L1	L1	B	1	67	74.3	68.9	**5.4**	1	Yes	No	15	1,290	19,026	$684,936	N/A	Does Not Meet Noise Reduction Design Goal
	L2	B	1	67	66.8	64.6	2.2									

Table C43
Build Noise Barrier Cost Effectiveness - Wall L1 - 20 Foot Noise Barrier at 256 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall L1	L1	B	1	67	74.3	70.8	3.5	0	No	No	20	256	4,336	$156,096	N/A	Does Not Meet Noise Reduction Design Goal
	L2	B	1	67	66.8	67.2	-0.4									

Table C44
Build Noise Barrier Cost Effectiveness - Wall M1 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall M1	M2	B	1	67	70.6	68.7	1.9	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C45
Build Noise Barrier Cost Effectiveness - Wall N1 - 20 Foot Noise Barrier at 685 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall N1	N1	B	1	67	62.4	62.2	0.2	0	No	No	20	685	12,916	$464,976	N/A	Does Not Meet Noise Reduction Design Goal
	N2	B	1	67	69.5	68.4										
	N3	B	1	67	70.1	65.8										

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C46
Build Noise Barrier Cost Effectiveness - Wall O1 - 20 Foot Noise Barrier at 5655 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	O1	C	1	67	58.0	57.7	0.3									
	O2	C	1	67	59.0	58.8	0.2									
	O3	C	1	67	60.0	59.8	0.2									
	O4	C	1	67	60.5	60.3	0.2									
	O5	C	1	67	62.0	61.9	0.1									
	O6	C	1	67	63.6	63.4	0.2									
	O7	C	1	67	66.6	66.4	0.2									
	O8	C	1	67	69.2	69.1	0.1									
	O9	C	1	67	72.7	72.7	0.0									
	O10	B	1	67	64.4	64.0	0.4									
	O11	B	1	67	65.1	64.7	0.4									
	O12	B	1	67	65.9	65.5	0.4									
	O13	B	1	67	66.9	66.5	0.4									
	O14	B	1	67	67.4	66.8	0.6									
	O15	B	1	67	67.6	66.7	0.9									
	O16	B	1	67	67.4	66.1	1.3									
	O17	B	1	67	67.0	65.2	1.8									
	O18	B	1	67	66.6	64.2	2.4									
	O19	B	1	67	66.2	63.2	3.0									
	O20	B	1	67	65.7	62.0	3.7									
	O21	B	1	67	63.3	59.1	4.2									
	O22	B	1	67	60.5	55.3	**5.2**									
	O23	B	1	67	58.5	53.3	**5.2**									
	O24	C	1	67	66.6	61.6	**5.0**									
	O25	C	1	67	66.1	59.7	**6.4**									
	O26	C	1	67	69.4	60.4	**9.0**									
	O27	C	1	67	71.1	61.6	**9.5**									
Wall O1	O28	C	1	67	66.8	60.0	**6.8**	66	Yes	Yes	20	5,655	112,316	$4,043,376	$61,263	Propose to Construct
	O29	C	1	67	67.5	60.9	**6.6**									
	O30	C	1	67	65.6	61.0	4.6									
	O31	B	1	67	60.2	55.8	4.4									
	O32	B	1	67	64.2	58.6	**5.6**									
	O33	B	1	67	66.7	60.1	**6.6**									
	O34	B	1	67	66.8	60.4	**6.4**									
	O35	B	1	67	66.8	60.9	**5.9**									
	O36	B	1	67	67.0	61.3	**5.7**									
	O37	B	1	67	66.1	61.0	**5.1**									
	O38	B	1	67	64.5	60.5	4.0									
	O39	B	1	67	63.7	60.1	3.6									
	O40	B	1	67	64.3	60.4	3.9									
	O41	B	1	67	66.7	60.9	**5.8**									
	O42	B	1	67	65.4	61.0	4.4									
	O43	B	1	67	62.8	60.0	2.8									
	O44	B	1	67	61.2	59.2	2.0									
	O45	B	1	67	63.3	58.4	4.9									
	O46	B	1	67	66.6	58.0	**8.6**									
	O47	B	1	67	60.8	54.9	**5.9**									
	O48	B	1	67	68.4	59.1	**9.3**									
	O49	B	1	67	69.0	61.4	**7.6**									
	O50	B	1	67	66.7	62.1	4.6									
	O51	B	1	67	66.6	61.8	4.8									
	O51.5	B	1	67	66.6	61.6	**5.0**									
	O52	B	1	67	68.4	61.5	**6.9**									
	O53	B	1	67	69.1	61.4	**7.7**									
	O54	B	1	67	66.7	60.3	**6.4**									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C46 Continued
Build Noise Barrier Cost Effectiveness - Wall O1 - 20 Foot Noise Barrier at 5655 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	O55	B	1	67	64.2	60.1	4.1									
	O56	B	1	67	60.6	55.8	4.8									
	O57	B	1	67	61.1	57.2	3.9									
	O58	B	1	67	62.3	57.3	**5.0**									
	O60	B	1	67	56.6	54.7	1.9									
	O61	B	1	67	58.4	55.5	2.9									
	O62	B	1	67	61.3	57.5	3.8									
	O63	B	1	67	64.7	59.7	**5.0**									
	O64	B	1	67	70.9	62.7	**8.2**									
	O65	B	1	67	70.2	61.8	**8.4**									
	O66	B	3	67	71.3	61.8	**9.5**									
	O67	B	1	67	68.8	60.5	**8.3**									
	O68	B	1	67	69.2	60.4	**8.8**									
	O69	B	1	67	68.2	59.9	**8.3**									
	O70	B	1	67	67.1	58.8	**8.3**									
	O71	B	1	67	66.1	58.6	**7.5**									
	O72	B	1	67	65.6	58.2	**7.4**									
	O73	B	1	67	65.4	58.2	**7.2**									
	O74	B	1	67	65.0	58.2	**6.8**									
	O75	B	1	67	63.5	57.6	**5.9**									
	O76	B	1	67	63.1	57.4	**5.7**									
	O77	B	1	67	62.7	57.3	**5.4**									
	O78	B	1	67	72.7	63.2	**9.5**									
	O79	B	1	67	72.1	63.2	**8.9**									
	O80	B	1	67	72.4	63.3	**9.1**									
	O81	B	1	67	73.8	63.6	**10.2**									
	O82	B	1	67	73.7	63.6	**10.1**									
Wall O1	O83	B	1	67	72.9	63.2	**9.7**	66	Yes	Yes	20	5,655	112,316	$4,043,376	$61,263	Propose to Construct
	O84	B	1	67	70.9	62.4	**8.5**									
	O85	B	1	67	70.3	61.9	**8.4**									
	O86	B	1	67	70.5	61.5	**9.0**									
	O87	B	1	67	69.6	61.1	**8.5**									
	O88	B	1	67	73.8	61.5	**12.3**									
	O89	B	1	67	73.2	61.3	**11.9**									
	O90	B	1	67	72.1	61.1	**11.0**									
	O91	B	1	67	72.1	61.8	**10.3**									
	O92	B	1	67	71.6	62.0	**9.6**									
	O93	B	1	67	70.6	62.0	**8.6**									
	O94	B	1	67	70.0	62.0	**8.0**									
	O95	B	1	67	69.9	62.0	**7.9**									
	O96	B	1	67	67.3	61.5	**5.8**									
	O97	B	1	67	67.9	61.7	**6.2**									
	O98	B	1	67	68.3	61.9	**6.4**									
	O99	B	1	67	69.2	62.3	**6.9**									
	O100	B	1	67	70.0	62.9	**7.1**									
	O101	B	1	67	70.4	63.3	**7.1**									
	O102	B	1	67	70.6	63.7	**6.9**									
	O103	B	1	67	70.8	64.2	**6.6**									
	O104	B	1	67	70.9	64.0	**6.9**									
	O105	B	1	67	71.3	66.5	4.8									
	O106	B	1	67	70.4	67.2	3.2									
	O107	B	1	67	70.0	67.3	2.7									
	O108	B	1	67	69.7	67.3	2.4									
	O109	B	1	67	69.3	67.2	2.1									
	O110	B	1	67	68.8	67.0	1.8									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C46 Continued
Build Noise Barrier Cost Effectiveness - Wall O1 - 20 Foot Noise Barrier at 5655 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall O1	O111	B	1	67	68.3	66.9	1.4	66	Yes	Yes	20	5,655	112,316	$4,043,376	$61,263	Propose to Construct
	O112	B	1	67	68.0	66.7	1.3									
	O113	B	1	67	67.7	66.6	1.1									
	O114	B	1	67	68.5	66.5	2.0									
	O115	B	1	67	68.7	66.3	2.4									
	O116	B	1	67	68.3	66.1	2.2									
	O117	B	1	67	60.8	57.8	3.0									
	O118	B	1	67	61.2	58.0	3.2									
	O119	B	1	67	61.4	58.1	3.3									
	O120	B	1	67	61.7	57.9	3.8									
	O121	B	1	67	61.7	57.8	3.9									
	O122	B	1	67	62.3	57.4	4.9									
	O123	B	1	67	62.0	57.3	4.7									
	O124	B	1	67	61.4	56.9	4.5									
	O125	B	1	67	61.7	56.8	4.9									
	O126	B	1	67	60.6	56.4	4.2									
	O127	B	1	67	60.7	56.5	4.2									
	O128	B	1	67	61.0	56.6	4.4									
	O129	B	1	67	60.6	56.7	3.9									
	O130	B	1	67	60.3	56.8	3.5									
	O131	B	1	67	60.0	57.0	3.0									
	O132	B	1	67	60.6	57.4	3.2									
	O133	B	1	67	61.4	57.8	3.6									
	O134	B	1	67	61.7	58.5	3.2									
	O135	B	1	67	61.4	58.9	2.5									
	O136	B	1	67	61.8	58.8	3.0									
	O137	B	1	67	61.1	58.0	3.1									
	O138	B	1	67	61.7	58.0	3.7									
	O139	B	1	67	61.2	58.4	2.8									
	O140	B	1	67	61.9	59.5	2.4									
	O141	B	1	67	61.9	59.2	2.7									
	O142	B	1	67	60.3	58.8	1.5									
	O143	B	1	67	61.5	60.6	0.9									
	O144	B	1	67	60.2	59.7	0.5									
	O145	B	1	67	58.6	56.9	1.7									
	O146	B	1	67	58.7	57.2	1.5									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C47
Build Noise Barrier Cost Effectiveness - Wall P1 - 20 Foot Noise Barrier at 3970 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall P1	P25	C	1	67	64.0	62.5	1.5	18	Yes	Yes	20	3,970	78,616	$2,830,176	$157,232	Not Cost Effective
	P26	C	1	67	65.3	60.8	4.5									
	P27	C	1	67	67.3	61.1	**6.2**									
	P28	C	1	67	72.1	62.3	**9.8**									
	P29	C	1	67	75.0	61.0	**14.0**									
	P30	C	1	67	75.1	61.1	**14.0**									
	P31	C	1	67	73.5	60.0	**13.5**									
	P32	C	1	67	69.6	58.1	**11.5**									
	P33	C	1	67	66.3	58.6	**7.7**									
	P34	C	1	67	64.9	58.6	**6.3**									
	P35	C	1	67	65.7	57.9	**7.8**									
	P36	E	1	72	70.1	57.0	**13.1**									
	P37	E	1	72	65.7	57.6	**8.1**									
	P38	C	1	67	69.1	60.5	**8.6**									
	P39	C	1	67	74.6	61.7	**12.9**									
	P40	C	1	67	75.2	60.7	**14.5**									
	P41	C	1	67	75.3	61.7	**13.6**									
	P42	C	1	67	73.2	61.4	**11.8**									
	P43	C	1	67	72.1	62.9	**9.2**									
	P44	C	1	67	69.1	63.9	**5.2**									
	P45	E	1	72	64.3	61.7	2.6									
	P46	E	1	72	59.9	59.2	0.7									
	P47	E	1	72	62.9	58.1	4.8									
	P48	E	1	72	58.8	57.4	1.4									
	P49	E	1	72	58.3	57.3	1.0									
	P50	E	1	72	58.5	57.7	0.8									
	P51	E	1	72	58.6	57.7	0.9									
	P52	E	1	72	58.4	57.6	0.8									
	P53	C	1	67	65.0	63.6	1.4									
	P54	C	1	67	60.8	59.6	1.2									
	P55	C	1	67	58.7	56.8	1.9									
	P56	C	1	67	73.5	70.6	2.9									
	P57	C	1	67	84.0	84.0	0.0									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C48
Build Noise Barrier Cost Effectiveness - Wall P1 - 15 Foot Noise Barrier at 3970 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall P1	P25	C	1	67	64.0	62.8	1.2	16	Yes	Yes	15	3,970	59,226	$2,132,136	$133,259	Not Cost Effective
	P26	C	1	67	65.3	61.9	3.4									
	P27	C	1	67	67.3	62.9	4.4									
	P28	C	1	67	72.1	63.8	**8.3**									
	P29	C	1	67	75.0	62.4	**12.6**									
	P30	C	1	67	75.1	62.5	**12.6**									
	P31	C	1	67	73.5	61.5	**12.0**									
	P32	C	1	67	69.6	59.1	**10.5**									
	P33	C	1	67	66.3	59.3	**7.0**									
	P34	C	1	67	64.9	59.2	**5.7**									
	P35	C	1	67	65.7	58.9	**6.8**									
	P36	E	1	72	70.1	58.2	**11.9**									
	P37	E	1	72	65.7	58.7	**7.0**									
	P38	C	1	67	69.1	61.8	**7.3**									
	P39	C	1	67	74.6	63.0	**11.6**									
	P40	C	1	67	75.2	62.1	**13.1**									
	P41	C	1	67	75.3	63.0	**12.3**									
	P42	C	1	67	73.2	62.8	**10.4**									
	P43	C	1	67	72.1	64.4	**7.7**									
	P44	C	1	67	69.1	64.6	4.5									
	P45	E	1	72	64.3	62.1	2.2									
	P46	E	1	72	59.9	59.4	0.5									
	P47	E	1	72	62.9	58.5	4.4									
	P48	E	1	72	58.8	57.5	1.3									
	P49	E	1	72	58.3	57.5	0.8									
	P50	E	1	72	58.5	57.8	0.7									
	P51	E	1	72	58.6	57.8	0.8									
	P52	E	1	72	58.4	57.7	0.7									
	P53	C	1	67	65.0	63.8	1.2									
	P54	C	1	67	60.8	59.7	1.1									
	P55	C	1	67	58.7	56.9	1.8									
	P56	C	1	67	73.5	70.9	2.6									
	P57	C	1	67	84.0	84.0	0.0									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C49
Build Noise Barrier Cost Effectiveness - Wall P1 - 10 Foot Noise Barrier at 3970 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall P1	P25	C	1	67	64.0	63.4	0.6	14	Yes	Yes	10	3,970	39,636	$1,426,896	$101,921	Not Cost Effective
	P26	C	1	67	65.3	63.3	2.0									
	P27	C	1	67	67.3	64.9	2.4									
	P28	C	1	67	72.1	67.0	**5.1**									
	P29	C	1	67	75.0	64.9	**10.1**									
	P30	C	1	67	75.1	64.8	**10.3**									
	P31	C	1	67	73.5	64.9	**8.6**									
	P32	C	1	67	69.6	61.4	**8.2**									
	P33	C	1	67	66.3	60.8	**5.5**									
	P34	C	1	67	64.9	60.3	4.6									
	P35	C	1	67	65.7	60.4	**5.3**									
	P36	E	1	72	70.1	60.1	**10.0**									
	P37	E	1	72	65.7	60.7	**5.0**									
	P38	C	1	67	69.1	63.2	**5.9**									
	P39	C	1	67	74.6	65.4	**9.2**									
	P40	C	1	67	75.2	64.7	**10.5**									
	P41	C	1	67	75.3	65.4	**9.9**									
	P42	C	1	67	73.2	66.1	**7.1**									
	P43	C	1	67	72.1	69.1	3.0									
	P44	C	1	67	69.1	67.5	1.6									
	P45	E	1	72	64.3	62.7	1.6									
	P46	E	1	72	59.9	59.7	0.2									
	P47	E	1	72	62.9	59.5	3.4									
	P48	E	1	72	58.8	57.8	1.0									
	P49	E	1	72	58.3	57.6	0.7									
	P50	E	1	72	58.5	58.0	0.5									
	P51	E	1	72	58.6	58.0	0.6									
	P52	E	1	72	58.4	57.8	0.6									
	P53	C	1	67	65.0	64.1	0.9									
	P54	C	1	67	60.8	59.9	0.9									
	P55	C	1	67	58.7	57.2	1.5									
	P56	C	1	67	73.5	71.7	1.8									
	P57	C	1	67	84.0	84.0	0.0									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C50
Build Noise Barrier Cost Effectiveness - Wall P1 - 20 Foot Noise Barrier at 3264 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall P1	P25	C	1	67	64.0	63.5	0.5	15	Yes	Yes	20	3,264	64,496	$2,321,856	$154,790	Not Cost Effective
	P26	C	1	67	65.3	62.8	2.5									
	P27	C	1	67	67.3	63.3	4.0									
	P28	C	1	67	72.1	64.2	**7.9**									
	P29	C	1	67	75.0	62.0	**13.0**									
	P30	C	1	67	75.1	61.1	**14.0**									
	P31	C	1	67	73.5	60.0	**13.5**									
	P32	C	1	67	69.6	58.4	**11.2**									
	P33	C	1	67	66.3	59.0	**7.3**									
	P34	C	1	67	64.9	59.0	**5.9**									
	P35	C	1	67	65.7	58.1	**7.6**									
	P36	E	1	72	70.1	57.0	**13.1**									
	P37	E	1	72	65.7	58.0	**7.7**									
	P38	C	1	67	69.1	60.6	**8.5**									
	P39	C	1	67	74.6	61.9	**12.7**									
	P40	C	1	67	75.2	61.4	**13.8**									
	P41	C	1	67	75.3	62.9	**12.4**									
	P42	C	1	67	73.2	65.8	**7.4**									
	P43	C	1	67	72.1	70.8	1.3									
	P44	C	1	67	69.1	68.2	0.9									
	P45	E	1	72	64.3	63.6	0.7									
	P46	E	1	72	59.9	59.6	0.3									
	P47	E	1	72	62.9	58.9	4.0									
	P48	E	1	72	58.8	58.2	0.6									
	P49	E	1	72	58.3	58.1	0.2									
	P50	E	1	72	58.5	58.3	0.2									
	P51	E	1	72	58.6	58.3	0.3									
	P52	E	1	72	58.4	58.1	0.3									
	P53	C	1	67	65.0	64.6	0.4									
	P54	C	1	67	60.8	60.1	0.7									
	P55	C	1	67	58.7	57.3	1.4									
	P56	C	1	67	73.5	73.4	0.1									
	P57	C	1	67	84.0	84.0	0.0									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C51

Build Noise Barrier Cost Effectiveness - Wall P1 - 15 Foot Noise Barrier at 3264 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall P1	P25	C	1	67	64.0	63.7	0.3	15	Yes	Yes	15	3,264	48,636	$1,750,896	$116,726	Not Cost Effective
	P26	C	1	67	65.3	63.3	2.0									
	P27	C	1	67	67.3	64.3	3.0									
	P28	C	1	67	72.1	65.2	**6.9**									
	P29	C	1	67	75.0	63.2	**11.8**									
	P30	C	1	67	75.1	62.5	**12.6**									
	P31	C	1	67	73.5	61.5	**12.0**									
	P32	C	1	67	69.6	59.3	**10.3**									
	P33	C	1	67	66.3	59.7	**6.6**									
	P34	C	1	67	64.9	59.6	**5.3**									
	P35	C	1	67	65.7	59.1	**6.6**									
	P36	E	1	72	70.1	58.2	**11.9**									
	P37	E	1	72	65.7	58.9	**6.8**									
	P38	C	1	67	69.1	61.9	**7.2**									
	P39	C	1	67	74.6	63.2	**11.4**									
	P40	C	1	67	75.2	62.5	**12.7**									
	P41	C	1	67	75.3	63.9	**11.4**									
	P42	C	1	67	73.2	66.2	**7.0**									
	P43	C	1	67	72.1	70.9	1.2									
	P44	C	1	67	69.1	68.2	0.9									
	P45	E	1	72	64.3	63.6	0.7									
	P46	E	1	72	59.9	59.6	0.3									
	P47	E	1	72	62.9	59.1	3.8									
	P48	E	1	72	58.8	58.2	0.6									
	P49	E	1	72	58.3	58.1	0.2									
	P50	E	1	72	58.5	58.4	0.1									
	P51	E	1	72	58.6	58.3	0.3									
	P52	E	1	72	58.4	58.1	0.3									
	P53	C	1	67	65.0	64.6	0.4									
	P54	C	1	67	60.8	60.1	0.7									
	P55	C	1	67	58.7	57.3	1.4									
	P56	C	1	67	73.5	73.4	0.1									
	P57	C	1	67	84.0	84.0	0.0									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C52
Build Noise Barrier Cost Effectiveness - Wall P1 - 10 Foot Noise Barrier at 3264 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall P1	P25	C	1	67	64.0	63.9	0.1	13	Yes	Yes	10	3,264	32,576	$1,172,736	$90,210	Not Cost Effective
	P26	C	1	67	65.3	63.9	1.4									
	P27	C	1	67	67.3	65.5	1.8									
	P28	C	1	67	72.1	67.5	4.6									
	P29	C	1	67	75.0	65.3	**9.7**									
	P30	C	1	67	75.1	64.8	**10.3**									
	P31	C	1	67	73.5	64.9	**8.6**									
	P32	C	1	67	69.6	61.5	**8.1**									
	P33	C	1	67	66.3	61.0	**5.3**									
	P34	C	1	67	64.9	60.5	4.4									
	P35	C	1	67	65.7	60.5	**5.2**									
	P36	E	1	72	70.1	60.1	**10.0**									
	P37	E	1	72	65.7	60.7	**5.0**									
	P38	C	1	67	69.1	63.3	**5.8**									
	P39	C	1	67	74.6	65.5	**9.1**									
	P40	C	1	67	75.2	64.8	**10.4**									
	P41	C	1	67	75.3	65.8	**9.5**									
	P42	C	1	67	73.2	67.4	**5.8**									
	P43	C	1	67	72.1	71.2	0.9									
	P44	C	1	67	69.1	68.3	0.8									
	P45	E	1	72	64.3	63.6	0.7									
	P46	E	1	72	59.9	59.6	0.3									
	P47	E	1	72	62.9	59.8	3.1									
	P48	E	1	72	58.8	58.3	0.5									
	P49	E	1	72	58.3	58.1	0.2									
	P50	E	1	72	58.5	58.4	0.1									
	P51	E	1	72	58.6	58.3	0.3									
	P52	E	1	72	58.4	58.1	0.3									
	P53	C	1	67	65.0	64.7	0.3									
	P54	C	1	67	60.8	60.2	0.6									
	P55	C	1	67	58.7	57.5	1.2									
	P56	C	1	67	73.5	73.4	0.1									
	P57	C	1	67	84.0	84.0	0.0									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C53
Build Noise Barrier Cost Effectiveness - Wall P1 - 20 Foot Noise Barrier at 1600 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall P1	P25	C	1	67	64.0	64.1	-0.1	8	Yes	Yes	20	1,600	31,216	$1,123,776	$140,472	Not Cost Effective
	P26	C	1	67	65.3	64.6	0.7									
	P27	C	1	67	67.3	67.4	-0.1									
	P28	C	1	67	72.1	72.3	-0.2									
	P29	C	1	67	75.0	74.6	0.4									
	P30	C	1	67	75.1	72.5	2.6									
	P31	C	1	67	73.5	72.1	1.4									
	P32	C	1	67	69.6	66.7	2.9									
	P33	C	1	67	66.3	63.9	2.4									
	P34	C	1	67	64.9	61.7	3.2									
	P35	C	1	67	65.7	60.4	**5.3**									
	P36	E	1	72	70.1	61.0	**9.1**									
	P37	E	1	72	65.7	58.7	**7.0**									
	P38	C	1	67	69.1	60.6	**8.5**									
	P39	C	1	67	74.6	62.1	**12.5**									
	P40	C	1	67	75.2	61.5	**13.7**									
	P41	C	1	67	75.3	63.0	**12.3**									
	P42	C	1	67	73.2	65.8	**7.4**									
	P43	C	1	67	72.1	70.8	1.3									
	P44	C	1	67	69.1	68.2	0.9									
	P45	E	1	72	64.3	63.6	0.7									
	P46	E	1	72	59.9	59.6	0.3									
	P47	E	1	72	62.9	59.0	3.9									
	P48	E	1	72	58.8	58.2	0.6									
	P49	E	1	72	58.3	58.1	0.2									
	P50	E	1	72	58.5	58.3	0.2									
	P51	E	1	72	58.6	58.3	0.3									
	P52	E	1	72	58.4	58.1	0.3									
	P53	C	1	67	65.0	64.6	0.4									
	P54	C	1	67	60.8	60.1	0.7									
	P55	C	1	67	58.7	57.4	1.3									
	P56	C	1	67	73.5	73.4	0.1									
	P57	C	1	67	84.0	84.0	0.0									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C54
Build Noise Barrier Cost Effectiveness - Wall P1 - 15 Foot Noise Barrier at 1600 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall P1	P25	C	1	67	64.0	64.1	-0.1	7	Yes	Yes	15	1,600	23,676	$852,336	$121,762	Not Cost Effective
	P26	C	1	67	65.3	64.6	0.7									
	P27	C	1	67	67.3	67.4	-0.1									
	P28	C	1	67	72.1	72.3	-0.2									
	P29	C	1	67	75.0	74.6	0.4									
	P30	C	1	67	75.1	72.5	2.6									
	P31	C	1	67	73.5	72.1	1.4									
	P32	C	1	67	69.6	66.7	2.9									
	P33	C	1	67	66.3	64.0	2.3									
	P34	C	1	67	64.9	61.9	3.0									
	P35	C	1	67	65.7	60.9	4.8									
	P36	E	1	72	70.1	61.3	**8.8**									
	P37	E	1	72	65.7	59.4	**6.3**									
	P38	C	1	67	69.1	61.7	**7.4**									
	P39	C	1	67	74.6	63.3	**11.3**									
	P40	C	1	67	75.2	62.7	**12.5**									
	P41	C	1	67	75.3	63.9	**11.4**									
	P42	C	1	67	73.2	66.2	**7.0**									
	P43	C	1	67	72.1	70.9	1.2									
	P44	C	1	67	69.1	68.2	0.9									
	P45	E	1	72	64.3	63.6	0.7									
	P46	E	1	72	59.9	59.6	0.3									
	P47	E	1	72	62.9	59.2	3.7									
	P48	E	1	72	58.8	58.2	0.6									
	P49	E	1	72	58.3	58.1	0.2									
	P50	E	1	72	58.5	58.4	0.1									
	P51	E	1	72	58.6	58.3	0.3									
	P52	E	1	72	58.4	58.1	0.3									
	P53	C	1	67	65.0	64.6	0.4									
	P54	C	1	67	60.8	60.1	0.7									
	P55	C	1	67	58.7	57.5	1.2									
	P56	C	1	67	73.5	73.4	0.1									
	P57	C	1	67	84.0	84.0	0.0									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C55
Build Noise Barrier Cost Effectiveness - Wall P1 - 10 Foot Noise Barrier at 1600 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall P1	P25	C	1	67	64.0	64.1	-0.1	6	Yes	Yes	10	1,600	15,936	$573,696	$95,616	Not Cost Effective
	P26	C	1	67	65.3	64.6	0.7									
	P27	C	1	67	67.3	67.4	-0.1									
	P28	C	1	67	72.1	72.3	-0.2									
	P29	C	1	67	75.0	74.6	0.4									
	P30	C	1	67	75.1	72.5	2.6									
	P31	C	1	67	73.5	72.1	1.4									
	P32	C	1	67	69.6	66.7	2.9									
	P33	C	1	67	66.3	64.1	2.2									
	P34	C	1	67	64.9	62.2	2.7									
	P35	C	1	67	65.7	61.7	4.0									
	P36	E	1	72	70.1	62.1	**8.0**									
	P37	E	1	72	65.7	61.0	4.7									
	P38	C	1	67	69.1	63.1	**6.0**									
	P39	C	1	67	74.6	65.5	**9.1**									
	P40	C	1	67	75.2	64.9	**10.3**									
	P41	C	1	67	75.3	65.8	**9.5**									
	P42	C	1	67	73.2	67.4	**5.8**									
	P43	C	1	67	72.1	71.2	0.9									
	P44	C	1	67	69.1	68.3	0.8									
	P45	E	1	72	64.3	63.6	0.7									
	P46	E	1	72	59.9	59.6	0.3									
	P47	E	1	72	62.9	59.9	3.0									
	P48	E	1	72	58.8	58.3	0.5									
	P49	E	1	72	58.3	58.1	0.2									
	P50	E	1	72	58.5	58.4	0.1									
	P51	E	1	72	58.6	58.3	0.3									
	P52	E	1	72	58.4	58.1	0.3									
	P53	C	1	67	65.0	64.7	0.3									
	P54	C	1	67	60.8	60.2	0.6									
	P55	C	1	67	58.7	57.6	1.1									
	P56	C	1	67	73.5	73.4	0.1									
	P57	C	1	67	84.0	84.0	0.0									

Table C56
Build Noise Barrier Cost Effectiveness - Wall P2 - 20 / 10 Foot Noise Barrier at 100 / 325 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall P2	I1	C	1	67	76.2	69.7	**6.5**	3	Yes	Yes	20 / 10	100 / 325	12,255	$441,180	$147,060	Not Cost Effective
	P56	C	1	67	73.5	64.9	**8.6**									
	P57	C	1	67	84.0	70.8	**13.2**									

Table C57
Build Noise Barrier Cost Effectiveness - Wall R1 - 20 Foot Noise Barrier at 905 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall R1	R1	E	1	72	72.3	61.7	**10.6**	2	Yes	Yes	20	905	17,316	$623,376	$311,688	Not Cost Effective
	R2	B	1	67	69.5	61.7	**7.8**									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C58
Build Noise Barrier Cost Effectiveness - Wall R1 - 15 Foot Noise Barrier at 905 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall R1	R1	E	1	72	72.3	62.6	**9.7**	2	Yes	Yes	15	905	13,251	$477,036	$238,518	Not Cost Effective
	R2	B	1	67	69.5	62.4	**7.1**									

Table C59
Build Noise Barrier Cost Effectiveness - Wall R1 - 10 Foot Noise Barrier at 905 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall R1	R1	E	1	72	72.3	64.8	**7.5**	2	Yes	Yes	10	905	8,986	$323,496	$161,748	Not Cost Effective
	R2	B	1	67	69.5	64.5	**5.0**									

Table C60
Build Noise Barrier Cost Effectiveness - Wall R1 - 20 Foot Noise Barrier at 256 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall R1	R1	E	1	72	72.3	69.0	3.3	0	No	No	20	256	4,336	$156,096	N/A	Does Not Meet Noise Reduction Design Goal
Wall R1	R2	B	1	67	69.5	66.6	2.9	0	No	No	20	256	4,336	$156,096	N/A	Does Not Meet Noise Reduction Design Goal

Table C61
Build Noise Barrier Cost Effectiveness - Wall S1 - 20 Foot Noise Barrier at 4050 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall S1	S5	B	1	67	60.8	56.7	4.1	70	Yes	Yes	20	4,050	80,216	$2,887,776	$41,254	Propose to Construct
	S6	B	1	67	60.9	56.5	4.4									
	S7	B	1	67	61.6	57.2	4.4									
	S8	B	1	67	62.0	57.4	4.6									
	S9	B	1	67	62.5	57.7	4.8									
	S10	B	1	67	63.5	58.1	**5.4**									
	S11	B	1	67	63.2	57.7	**5.5**									
	S12	B	1	67	63.2	57.7	**5.5**									
	S13	B	1	67	61.8	56.6	**5.2**									
	S14	B	1	67	61.4	54.6	**6.8**									
	S15	B	1	67	55.6	52.4	3.2									
	S16	B	1	67	54.3	50.5	3.8									
	S17	B	1	67	53.9	49.9	4.0									
	S18	B	1	67	66.2	57.7	**8.5**									
	S19	B	1	67	67.3	57.0	**10.3**									
	S20	B	1	67	66.8	56.7	**10.1**									
	S21	B	1	67	66.2	56.9	**9.3**									
	S22	B	1	67	65.7	56.8	**8.9**									
	S23	B	1	67	64.9	56.6	**8.3**									
	S25	B	1	67	62.4	54.2	**8.2**									
	S26	B	1	67	63.2	55.3	**7.9**									
	S27	B	1	67	63.7	56.5	**7.2**									
	S28	B	1	67	65.0	57.3	**7.7**									
	S29	B	1	67	64.6	56.9	**7.7**									
	S30	B	1	67	63.6	56.2	**7.4**									
	S31	B	1	67	64.2	56.1	**8.1**									
	S32	B	1	67	64.1	55.8	**8.3**									
	S33	B	1	67	62.7	55.1	**7.6**									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C61 Continued
Build Noise Barrier Cost Effectiveness - Wall S1 - 20 Foot Noise Barrier at 4050 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	S34	B	1	67	61.7	54.6	**7.1**									
	S35	B	1	67	61.1	54.2	**6.9**									
	S36	B	1	67	61.0	54.1	**6.9**									
	S37	B	1	67	70.4	60.6	**9.8**									
	S38	B	1	67	69.7	59.9	**9.8**									
	S39	B	1	67	69.9	59.7	**10.2**									
	S40	B	1	67	70.3	59.2	**11.1**									
	S41	B	1	67	70.2	59.0	**11.2**									
	S42	B	1	67	69.3	58.7	**10.6**									
	S43	B	1	67	68.8	58.5	**10.3**									
	S44	B	1	67	65.8	56.9	**8.9**									
	S45	B	1	67	70.7	59.4	**11.3**									
	S46	B	1	67	72.0	59.9	**12.1**									
	S47	B	1	67	72.9	60.0	**12.9**									
	S48	B	1	67	74.4	61.0	**13.4**									
	S49	B	1	67	61.4	54.3	**7.1**									
	S50	B	1	67	61.7	54.3	**7.4**									
	S51	B	1	67	61.8	54.4	**7.4**									
	S52	B	1	67	62.7	57.3	**5.4**									
	S53	B	1	67	72.8	59.6	**13.2**									
	S54	B	1	67	72.0	58.8	**13.2**									
	S55	B	1	67	70.8	57.9	**12.9**									
	S56	B	1	67	69.1	56.9	**12.2**									
	S57	B	1	67	56.7	50.8	**5.9**									
	S58	B	1	67	60.9	52.9	**8.0**									
	S59	B	1	67	63.3	55.0	**8.3**									
Wall S1	S60	B	1	67	65.1	55.5	**9.6**	70	Yes	Yes	20	4,050	80,216	$2,887,776	$41,254	Propose to Construct
	S61	B	1	67	68.2	56.9	**11.3**									
	S62	B	1	67	72.6	60.3	**12.3**									
	S63	B	1	67	73.4	60.6	**12.8**									
	S64	B	1	67	72.0	59.7	**12.3**									
	S65	B	1	67	66.0	56.3	**9.7**									
	S66	B	1	67	60.3	53.9	**6.4**									
	S67	B	1	67	61.8	54.7	**7.1**									
	S68	B	1	67	65.6	56.0	**9.6**									
	S69	B	1	67	70.2	59.1	**11.1**									
	S70	B	1	67	71.9	60.1	**11.8**									
	S71	B	1	67	73.1	60.8	**12.3**									
	S72	B	1	67	72.8	60.8	**12.0**									
	S73	B	1	67	71.5	60.2	**11.3**									
	S74	B	1	67	68.3	58.6	**9.7**									
	S75	B	1	67	65.0	57.9	**7.1**									
	S76	B	1	67	69.7	58.2	**11.5**									
	S77	B	1	67	72.9	59.9	**13.0**									
	S78	B	1	67	73.3	59.9	**13.4**									
	S79	B	1	67	72.4	60.6	**11.8**									
	S80	B	1	67	61.0	54.6	**6.4**									
	S81	B	1	67	62.2	55.5	**6.7**									
	S82	B	1	67	59.1	53.9	**5.2**									
	S83	B	1	67	57.9	53.9	4.0									
	S84	B	1	67	56.4	56.2	0.2									
	S85	B	1	67	52.6	50.6	2.0									
	S86	B	1	67	62.7	59.4	3.3									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C62
Build Noise Barrier Cost Effectiveness - Wall S2 - 20 Foot Noise Barrier at 3050 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall S2	S87	C	1	67	74.7	62.9	**11.8**	11	Yes	Yes	20	3,050	60,216	$2,167,776	$197,071	Not Cost Effective
	S88	C	1	67	74.8	61.7	**13.1**									
	S89	C	1	67	74.9	62.3	**12.6**									
	S90	C	1	67	74.5	60.1	**14.4**									
	S91	C	1	67	74.2	59.5	**14.7**									
	S92	C	1	67	74.1	59.6	**14.5**									
	S93	C	1	67	73.9	60.0	**13.9**									
	S94	C	1	67	73.7	60.5	**13.2**									
	S95	C	1	67	73.5	59.8	**13.7**									
	S96	C	1	67	73.7	61.0	**12.7**									
	S97	C	1	67	73.5	59.7	**13.8**									
	S98	E	1	72	64.1	59.2	4.9									
	S99	B	4	67	61.1	59.0	2.1									

Table C63
Build Noise Barrier Cost Effectiveness - Wall S2 - 15 Foot Noise Barrier at 3050 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall S2	S87	C	1	67	74.7	65.4	**9.3**	11	Yes	Yes	15	3,050	45,426	$1,635,336	$148,667	Not Cost Effective
	S88	C	1	67	74.8	64.1	**10.7**									
	S89	C	1	67	74.9	65.4	**9.5**									
	S90	C	1	67	74.5	61.8	**12.7**									
	S91	C	1	67	74.2	61.1	**13.1**									
	S92	C	1	67	74.1	61.2	**12.9**									
	S93	C	1	67	73.9	61.7	**12.2**									
	S94	C	1	67	73.7	62.4	**11.3**									
	S95	C	1	67	73.5	61.6	**11.9**									
	S96	C	1	67	73.7	62.0	**11.7**									
	S97	C	1	67	73.5	60.9	**12.6**									
	S98	E	1	72	64.1	59.9	4.2									
	S99	B	4	67	61.1	59.1	2.0									

Table C64
Build Noise Barrier Cost Effectiveness - Wall S2 - 10 Foot Noise Barrier at 3050 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall S2	S87	C	1	67	74.7	71.4	3.3	9	Yes	Yes	10	3,050	30,436	$1,095,696	$121,744	Not Cost Effective
	S88	C	1	67	74.8	69.6	**5.2**									
	S89	C	1	67	74.9	71.9	3.0									
	S90	C	1	67	74.5	64.6	**9.9**									
	S91	C	1	67	74.2	63.4	**10.8**									
	S92	C	1	67	74.1	63.4	**10.7**									
	S93	C	1	67	73.9	64.2	**9.7**									
	S94	C	1	67	73.7	66.4	**7.3**									
	S95	C	1	67	73.5	64.4	**9.1**									
	S96	C	1	67	73.7	64.3	**9.4**									
	S97	C	1	67	73.5	63.2	**10.3**									
	S98	E	1	72	64.1	60.6	3.5									
	S99	B	4	67	61.1	59.4	1.7									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C65
Build Noise Barrier Cost Effectiveness - Wall S2 - 20 Foot Noise Barrier at 2112 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall S2	S87	C	1	67	74.7	62.9	**11.8**	9	Yes	Yes	20	2,112	41,456	$1,492,416	$165,824	Not Cost Effective
	S88	C	1	67	74.8	61.7	**13.1**									
	S89	C	1	67	74.9	62.3	**12.6**									
	S90	C	1	67	74.5	60.1	**14.4**									
	S91	C	1	67	74.2	59.6	**14.6**									
	S92	C	1	67	74.1	59.8	**14.3**									
	S93	C	1	67	73.9	60.4	**13.5**									
	S94	C	1	67	73.7	61.2	**12.5**									
	S95	C	1	67	73.5	61.8	**11.7**									
	S96	C	1	67	73.7	73.7	0.0									
	S97	C	1	67	73.5	73.5	0.0									
	S98	E	1	72	64.1	62.8	1.3									
	S99	B	4	67	61.1	60.0	1.1									

Table C66
Build Noise Barrier Cost Effectiveness - Wall S2 - 15 Foot Noise Barrier at 2112 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall S2	S87	C	1	67	74.7	65.4	**9.3**	9	Yes	Yes	15	2,112	31,356	$1,128,816	$125,424	Not Cost Effective
	S88	C	1	67	74.8	64.1	**10.7**									
	S89	C	1	67	74.9	65.4	**9.5**									
	S90	C	1	67	74.5	61.8	**12.7**									
	S91	C	1	67	74.2	61.1	**13.1**									
	S92	C	1	67	74.1	61.4	**12.7**									
	S93	C	1	67	73.9	62.0	**11.9**									
	S94	C	1	67	73.7	63.0	**10.7**									
	S95	C	1	67	73.5	63.0	**10.5**									
	S96	C	1	67	73.7	73.7	0.0									
	S97	C	1	67	73.5	73.5	0.0									
	S98	E	1	72	64.1	62.9	1.2									
	S99	B	4	67	61.1	60.0	1.1									

Table C67
Build Noise Barrier Cost Effectiveness - Wall S2 - 10 Foot Noise Barrier at 2112 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall S2	S87	C	1	67	74.7	71.4	3.3	7	Yes	Yes	10	2,112	21,056	$758,016	$108,288	Not Cost Effective
	S88	C	1	67	74.8	69.6	**5.2**									
	S89	C	1	67	74.9	71.9	3.0									
	S90	C	1	67	74.5	64.6	**9.9**									
	S91	C	1	67	74.2	63.4	**10.8**									
	S92	C	1	67	74.1	63.5	**10.6**									
	S93	C	1	67	73.9	64.4	**9.5**									
	S94	C	1	67	73.7	66.6	**7.1**									
	S95	C	1	67	73.5	65.1	**8.4**									
	S96	C	1	67	73.7	73.7	0.0									
	S97	C	1	67	73.5	73.5	0.0									
	S98	E	1	72	64.1	62.9	1.2									
	S99	B	4	67	61.1	60.1	1.0									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C68
Build Noise Barrier Cost Effectiveness - Wall T1 - 20 Foot Noise Barrier at 145 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall T1	T2	B	1	67	66.0	63.5	2.5	0	No	No	20	145	2,116	$76,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C69
Build Noise Barrier Cost Effectiveness - Wall U1 - 20 Foot Noise Barrier at 1230 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall U1	U1	B	1	67	71.3	64.1	**7.2**	4	Yes	Yes	20	1,230	23,816	$857,376	$214,344	Not Cost Effective
	U2	B	1	67	69.8	61.3	**8.5**									
	U3	B	1	67	68.0	60.4	**7.6**									
	U4	B	1	67	71.2	61.8	**9.4**									
	U5	B	1	67	62.5	58.9	3.6									
	U6	B	1	67	61.6	56.9	4.7									

Table C70
Build Noise Barrier Cost Effectiveness - Wall U1 - 15 Foot Noise Barrier at 1230 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall U1	U1	B	1	67	71.3	64.9	**6.4**	4	Yes	Yes	15	1,230	18,126	$652,536	$163,134	Not Cost Effective
	U2	B	1	67	69.8	62.3	**7.5**									
	U3	B	1	67	68.0	61.5	**6.5**									
	U4	B	1	67	71.2	62.8	**8.4**									
	U5	B	1	67	62.5	59.5	3.0									
	U6	B	1	67	61.6	57.5	4.1									

Table C71
Build Noise Barrier Cost Effectiveness - Wall U1 - 10 Foot Noise Barrier at 1230 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall U1	U1	B	1	67	71.3	66.8	4.5	2	Yes	No	10	1,230	12,236	$440,496	N/A	Does Not Meet Noise Reduction Design Goal
	U2	B	1	67	69.8	64.2	**5.6**									
	U3	B	1	67	68.0	64.2	3.8									
	U4	B	1	67	71.2	65.4	**5.8**									
	U5	B	1	67	62.5	60.7	1.8									
	U6	B	1	67	61.6	58.6	3.0									

Table C72
Build Noise Barrier Cost Effectiveness - Wall U1 - 20 Foot Noise Barrier at 576 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall U1	U1	B	1	67	71.3	71.1	0.2	1	Yes	No	20	576	10,736	$386,496	N/A	Does Not Meet Noise Reduction Design Goal
	U2	B	1	67	69.8	67.6	2.2									
	U3	B	1	67	68.0	63.7	4.3									
	U4	B	1	67	71.2	65.0	**6.2**									
	U5	B	1	67	62.5	61.1	1.4									
	U6	B	1	67	61.6	58.6	3.0									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C73
Build Noise Barrier Cost Effectiveness - Wall V1 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall V1	V1	B	1	67	72.1	68.0	4.1	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C74
Build Noise Barrier Cost Effectiveness - Wall W1 - 20 Foot Noise Barrier at 1825 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall W1	W1	B	1	67	67.1	59.8	**7.3**	2	Yes	Yes	20	1,825	35,716	$1,285,776	$642,888	Not Cost Effective
	W2	B	1	67	70.8	60.7	**10.1**									

Table C75
Build Noise Barrier Cost Effectiveness - Wall W1 - 15 Foot Noise Barrier at 1825 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall W1	W1	B	1	67	67.1	61.2	**5.9**	2	Yes	Yes	15	1,825	27,051	$973,836	$486,918	Not Cost Effective
	W2	B	1	67	70.8	62.0	**8.8**									

Table C76
Build Noise Barrier Cost Effectiveness - Wall W1 - 10 Foot Noise Barrier at 1825 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall W1	W1	B	1	67	67.1	63.2	3.9	1	Yes	No	10	1,825	18,186	$654,696	N/A	Does Not Meet Noise Reduction Design Goal
	W2	B	1	67	70.8	65.5	**5.3**									

Table C77
Build Noise Barrier Cost Effectiveness - Wall W1 - 20 Foot Noise Barrier at 256 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall W1	W1	B	1	67	67.1	67.0	0.1	0	No	No	20	256	4,336	$156,096	N/A	Does Not Meet Noise Reduction Design Goal
	W2	B	1	67	70.8	66.5	4.3									

Table C78
Build Noise Barrier Cost Effectiveness - Wall X1 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall X1	X3	B	1	67	68.4	66.7	1.7	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C79
Build Noise Barrier Cost Effectiveness - Wall Y1 - 20 Foot Noise Barrier at 1280 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Y1	Y1	E	1	72	71.9	61.7	**10.2**	2	Yes	Yes	20	1,280	24,816	$893,376	$446,688	Not Cost Effective
	Y2	E	1	72	71.8	62.3	**9.5**									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C80
Build Noise Barrier Cost Effectiveness - Wall Y1 - 15 Foot Noise Barrier at 1280 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Y1	Y1	E	1	72	71.9	62.9	**9.0**	2	Yes	Yes	15	1,280	18,876	$679,536	$339,768	Not Cost Effective
	Y2	E	1	72	71.8	63.2	**8.6**									

Table C81
Build Noise Barrier Cost Effectiveness - Wall Y1 - 10 Foot Noise Barrier at 1280 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Y1	Y1	E	1	72	71.9	66.2	**5.7**	2	Yes	No	10	1,280	12,736	$458,496	N/A	Does Not Meet Noise Reduction Design Goal
	Y2	E	1	72	71.8	65.0	**6.8**									

Table C82
Build Noise Barrier Cost Effectiveness - Wall Y1 - 20 Foot Noise Barrier at 256 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Y1	Y1	E	1	72	71.9	69.8	2.1	0	No	No	20	256	4,336	$156,096	N/A	Does Not Meet Noise Reduction Design Goal
	Y2	E	1	72	71.8	71.7	0.1									

Table C83
Build Noise Barrier Cost Effectiveness - Wall Z1 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Z1	Z4	B	1	67	71.6	68.7	2.9	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C84
Build Noise Barrier Cost Effectiveness - Wall Z2 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Z2	Z7	B	1	67	71.7	68.1	3.6	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C85
Build Noise Barrier Cost Effectiveness - Wall Z3 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Z3	Z8	B	1	67	66.0	64.3	1.7	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C86
Build Noise Barrier Cost Effectiveness - Wall Z4 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Z4	Z9	B	1	67	66.7	65.2	1.5	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C87
Build Noise Barrier Cost Effectiveness - Wall Z6 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Z6	Z13	B	1	67	74.3	70.8	3.5	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C88
Build Noise Barrier Cost Effectiveness - Wall Z7 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Z7	Z14	B	1	67	67.5	66.2	1.3	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C89
Build Noise Barrier Cost Effectiveness - Wall Z8 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Z8	Z15	B	1	67	69.5	68.0	1.5	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C90
Build Noise Barrier Cost Effectiveness - Wall Z9 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Z9	Z17	B	1	67	77.4	71.6	**5.8**	1	Yes	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Table C91
Build Noise Barrier Cost Effectiveness - Wall Z10 - 20 Foot Noise Barrier at 220 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall Z10	Z18	B	1	67	68.7	66.4	2.3	0	No	No	20	220	3,616	$130,176	N/A	Does Not Meet Noise Reduction Design Goal

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C92
Build Noise Barrier Cost Effectiveness - Wall AA - 20 Foot Noise Barrier at 4255 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall AA	AA1	E	1	72	59.8	59.8	0.0	27	Yes	No	20	4,255	84,316	$3,035,376	N/A	Does Not Meet Noise Reduction Design Goal
	AA2	B	1	67	61.5	61.5	0.0									
	AA3	B	1	67	62.7	62.5	0.2									
	AA4	B	1	67	63.7	63.4	0.3									
	AA5	B	1	67	56.2	56.2	0.0									
	AA6	B	1	67	57.2	57.0	0.2									
	AA7	B	1	67	61.0	60.4	0.6									
	AA8	B	1	67	56.1	56.1	0.0									
	AA9	B	1	67	54.4	54.4	0.0									
	AA10	B	1	67	59.5	58.9	0.6									
	AA11	B	1	67	56.4	56.4	0.0									
	AA12	B	1	67	55.3	55.3	0.0									
	AA13	B	1	67	54.2	54.2	0.0									
	AA14	B	1	67	60.0	59.8	0.2									
	AA15	B	1	67	57.1	57.1	0.0									
	AA16	B	1	67	56.2	56.2	0.0									
	AA17	B	1	67	54.4	54.4	0.0									
	AA18	B	1	67	61.3	59.6	1.7									
	AA19	B	1	67	60.1	57.9	2.2									
	AA20	B	1	67	59.5	57.2	2.3									
	AA21	B	1	67	57.9	56.5	1.4									
	AA22	B	1	67	61.6	60.0	1.6									
	AA23	B	1	67	61.6	60.0	1.6									
	AA24	B	1	67	61.6	59.9	1.7									
	AA25	B	1	67	61.2	59.7	1.5									
	AA26	B	1	67	62.3	60.5	1.8									
	AA27	B	1	67	62.3	60.7	1.6									
	AA28	B	1	67	63.6	61.6	2.0									
	AA29	B	1	67	64.0	61.9	2.1									
	AA30	B	1	67	65.0	62.5	2.5									
	AA31	B	1	67	65.7	63.0	2.7									
	AA32	C	1	67	68.6	65.6	3.0									
	AA33	C	1	67	69.4	66.2	3.2									
	AA34	C	1	67	69.8	67.4	2.4									
	AA35	C	1	67	70.0	67.7	2.3									
	AA36	B	1	67	67.1	63.6	3.5									
	AA37	B	1	67	66.7	63.0	3.7									
	AA38	B	1	67	66.6	62.7	3.9									
	AA39	B	1	67	66.7	63.5	3.2									
	AA40	B	1	67	66.5	62.7	3.8									
	AA41	B	1	67	66.3	62.4	3.9									
	AA42	B	1	67	66.4	62.5	3.9									
	AA43	B	1	67	66.8	63.9	2.9									
	AA44	B	1	67	66.7	63.4	3.3									
	AA45	B	1	67	67.0	63.7	3.3									
	AA46	B	1	67	67.4	64.6	2.8									
	AA47	B	1	67	67.8	65.3	2.5									
	AA48	B	1	67	67.6	64.8	2.8									
	AA49	B	1	67	67.4	65.1	2.3									
	AA50	B	1	67	67.9	65.5	2.4									
	AA51	B	1	67	68.1	66.0	2.1									
	AA52	B	1	67	68.1	65.9	2.2									
	AA53	B	1	67	68.1	66.1	2.0									
	AA54	B	1	67	68.2	65.7	2.5									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C92 Continued
Build Noise Barrier Cost Effectiveness - Wall AA - 20 Foot Noise Barrier at 4255 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall AA	AA55	B	1	67	68.0	65.2	2.8									
Wall AA	AA56	B	1	67	61.4	56.6	4.8									
Wall AA	AA57	B	1	67	60.3	56.1	4.2									
Wall AA	AA58	B	1	67	59.9	56.2	3.7									
Wall AA	AA59	B	1	67	58.6	56.3	2.3									
Wall AA	AA60	B	1	67	58.6	56.5	2.1									
Wall AA	AA61	B	1	67	57.8	54.9	2.9									
Wall AA	AA62	B	1	67	57.9	56.0	1.9									
Wall AA	AA63	B	1	67	57.7	55.8	1.9									
Wall AA	AA64	B	1	67	58.4	56.7	1.7									
Wall AA	AA65	B	1	67	58.3	56.4	1.9									
Wall AA	AA66	B	1	67	57.9	56.0	1.9									
Wall AA	AA67	B	1	67	58.0	56.2	1.8									
Wall AA	AA68	B	1	67	57.8	55.9	1.9									
Wall AA	AA69	B	1	67	57.7	55.8	1.9									
Wall AA	AA70	B	1	67	61.4	60.6	0.8									
Wall AA	AA71	B	1	67	58.6	56.1	2.5									
Wall AA	AA72	B	1	67	58.3	55.4	2.9									
Wall AA	AA73	B	1	67	60.4	56.7	3.7									
Wall AA	AA74	B	1	67	60.8	57.4	3.4									
Wall AA	AA75	B	1	67	62.8	59.5	3.3									
Wall AA	AA76	B	1	67	62.9	60.1	2.8									
Wall AA	AA77	B	1	67	63.8	61.1	2.7									
Wall AA	AA78	B	1	67	53.4	52.3	1.1									
Wall AA	AA79	B	1	67	53.5	52.5	1.0									
Wall AA	AA80	B	1	67	53.5	52.5	1.0									
Wall AA	AA81	B	1	67	53.4	52.4	1.0									
Wall AA	AA82	B	1	67	53.0	51.9	1.1	27	Yes	No	20	4,255	84,316	$3,035,376	N/A	Does Not Meet Noise Reduction Design Goal
Wall AA	AA83	B	1	67	54.2	52.8	1.4									
Wall AA	AA84	B	1	67	54.7	53.5	1.2									
Wall AA	AA85	B	1	67	54.6	53.5	1.1									
Wall AA	AA86	B	1	67	54.3	53.0	1.3									
Wall AA	AA87	B	1	67	54.3	52.9	1.4									
Wall AA	AA88	B	1	67	54.8	53.6	1.2									
Wall AA	AA89	B	1	67	54.5	53.4	1.1									
Wall AA	AA90	B	1	67	54.2	52.9	1.3									
Wall AA	AA91	B	1	67	54.4	53.0	1.4									
Wall AA	AA92	B	1	67	56.6	55.4	1.2									
Wall AA	AA93	B	1	67	55.3	53.8	1.5									
Wall AA	AA94	B	1	67	54.8	53.9	0.9									
Wall AA	AA95	B	1	67	54.3	53.7	0.6									
Wall AA	AA96	B	1	67	53.3	53.5	-0.2									
Wall AA	AA97	B	1	67	54.3	54.6	-0.3									
Wall AA	AA98	B	1	67	52.9	52.5	0.4									
Wall AA	AA99	B	1	67	53.5	52.4	1.1									
Wall AA	AA100	B	1	67	54.9	54.0	0.9									
Wall AA	AA101	B	1	67	53.8	52.6	1.2									
Wall AA	AA102	B	1	67	54.0	52.4	1.6									
Wall AA	AA103	B	1	67	57.6	54.2	3.4									
Wall AA	AA104	B	1	67	60.7	58.1	2.6									
Wall AA	AA105	B	1	67	65.2	60.3	4.9									
Wall AA	AA106	B	1	67	63.2	58.4	4.8									
Wall AA	AA107	B	1	67	61.8	57.0	4.8									
Wall AA	AA108	B	1	67	60.8	56.0	4.8									
Wall AA	AA109	B	1	67	60.0	55.5	4.5									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C92 Continued
Build Noise Barrier Cost Effectiveness - Wall AA - 20 Foot Noise Barrier at 4255 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	AA110	B	1	67	59.0	54.7	4.3									
	AA111	C	1	67	71.4	69.0	2.4									
	AA112	B	2	67	66.9	63.1	3.8									
	AA113	B	2	67	63.8	59.5	4.3									
	AA114	B	2	67	62.7	60.3	2.4									
	AA115	B	2	67	60.4	58.5	1.9									
	AA116	C	1	67	72.2	69.8	2.4									
	AA117	B	2	67	68.0	62.6	**5.4**									
	AA118	B	2	67	64.6	58.5	**6.1**									
	AA119	B	2	67	62.3	56.1	**6.2**									
	AA120	C	1	67	71.2	68.3	2.9									
	AA121	B	1	67	68.3	63.3	**5.0**									
	AA122	B	1	67	65.5	60.7	4.8									
	AA123	B	1	67	64.7	59.2	**5.5**									
	AA124	B	1	67	63.3	57.4	**5.9**									
	AA125	B	1	67	62.3	56.2	**6.1**									
	AA126	B	1	67	61.8	55.6	**6.2**									
	AA127	B	1	67	60.2	54.4	**5.8**									
	AA128	B	1	67	59.1	53.9	**5.2**									
	AA129	C	1	67	71.1	68.2	2.9									
	AA130	B	1	67	69.0	64.7	4.3									
	AA131	B	1	67	69.1	65.0	4.1									
	AA132	B	1	67	69.0	64.9	4.1									
	AA133	B	1	67	69.0	64.9	4.1									
	AA134	B	1	67	69.0	65.0	4.0									
	AA135	B	1	67	58.1	55.4	2.7									
	AA136	B	1	67	57.6	53.7	3.9									
Wall AA	AA137	B	1	67	57.9	53.5	4.4	27	Yes	No	20	4,255	84,316	$3,035,376	N/A	Does Not Meet Noise Reduction Design Goal
	AA138	B	1	67	52.2	50.3	1.9									
	AA139	B	1	67	51.8	50.2	1.6									
	AA140	B	1	67	59.8	55.2	4.6									
	AA141	B	1	67	55.4	52.2	3.2									
	AA142	B	1	67	52.9	51.1	1.8									
	AA143	B	1	67	52.1	50.6	1.5									
	AA144	B	1	67	50.7	50.1	0.6									
	AA145	B	1	67	51.5	50.2	1.3									
	AA146	B	1	67	52.5	51.3	1.2									
	AA147	B	1	67	52.4	52.0	0.4									
	AA148	B	1	67	52.7	52.1	0.6									
	AA149	C	1	67	71.0	68.0	3.0									
	AA150	C	1	67	71.0	68.5	2.5									
	AA151	C	1	67	69.9	67.8	2.1									
	AA152	B	1	67	70.8	65.6	**5.2**									
	AA153	B	1	67	72.0	67.4	4.6									
	AA154	B	1	67	72.2	69.0	3.2									
	AA155	B	1	67	70.7	65.5	**5.2**									
	AA156	B	1	67	72.0	67.4	4.6									
	AA157	B	1	67	72.1	69.0	3.1									
	AA158	B	1	67	70.6	65.5	**5.1**									
	AA159	B	1	67	71.9	67.2	4.7									
	AA160	B	1	67	72.0	68.9	3.1									
	AA161	B	1	67	70.6	65.4	**5.2**									
	AA162	B	1	67	71.8	67.1	4.7									
	AA163	B	1	67	72.0	68.9	3.1									
	AA164	B	1	67	70.6	65.4	**5.2**									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C92 Continued
Build Noise Barrier Cost Effectiveness - Wall AA - 20 Foot Noise Barrier at 4255 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	AA165	B	1	67	71.8	67.1	4.7									
	AA166	B	1	67	71.9	68.9	3.0									
	AA167	B	1	67	70.5	65.4	**5.1**									
	AA168	B	1	67	71.7	67.1	4.6									
	AA169	B	1	67	71.9	68.9	3.0									
	AA170	B	1	67	49.0	48.5	0.5									
	AA171	B	1	67	51.3	51.0	0.3									
	AA172	B	1	67	57.5	57.4	0.1									
	AA173	B	1	67	46.0	45.6	0.4									
	AA174	B	1	67	50.0	49.8	0.2									
	AA175	B	1	67	54.7	55.0	-0.3									
	AA176	B	1	67	45.1	44.9	0.2									
	AA177	B	1	67	49.8	49.6	0.2									
	AA178	B	1	67	53.6	54.0	-0.4									
	AA179	B	1	67	45.7	45.5	0.2									
	AA180	B	1	67	49.4	49.3	0.1									
	AA181	B	1	67	53.8	54.2	-0.4									
	AA182	B	1	67	49.4	49.0	0.4									
	AA183	B	1	67	50.0	49.4	0.6									
	AA184	B	1	67	54.9	54.7	0.2									
	AA185	B	72	67	52.4	51.0	1.4									
	AA186	B	1	67	50.4	49.8	0.6									
	AA187	B	1	67	51.6	50.8	0.8									
	AA188	B	1	67	56.6	56.2	0.4									
	AA189	B	1	67	54.1	50.4	3.7									
	AA190	B	1	67	57.0	53.3	3.7									
	AA191	B	1	67	58.9	56.4	2.5									
Wall AA	AA192	B	1	67	54.5	51.0	3.5	27	Yes	No	20	4,255	84,316	$3,035,376	N/A	Does Not Meet Noise Reduction Design Goal
	AA193	B	1	67	57.7	54.4	3.3									
	AA194	B	1	67	59.6	57.3	2.3									
	AA195	B	1	67	54.0	50.5	3.5									
	AA196	B	1	67	57.9	54.0	3.9									
	AA197	B	1	67	59.5	56.8	2.7									
	AA198	B	1	67	53.0	49.6	3.4									
	AA199	B	1	67	57.0	52.3	4.7									
	AA200	B	1	67	58.6	55.1	3.5									
	AA201	B	1	67	63.2	56.9	**6.3**									
	AA202	B	1	67	64.7	58.7	**6.0**									
	AA203	B	1	67	65.2	61.9	3.3									
	AA204	B	1	67	62.2	55.9	**6.3**									
	AA205	B	1	67	63.8	57.7	**6.1**									
	AA206	B	1	67	64.4	60.3	4.1									
	AA207	B	1	67	60.2	54.6	**5.6**									
	AA208	B	1	67	62.0	56.4	**5.6**									
	AA209	B	1	67	62.8	59.0	3.8									
	AA210	B	1	67	59.8	54.5	**5.3**									
	AA211	B	1	67	61.7	56.5	**5.2**									
	AA212	B	1	67	62.5	58.9	3.6									
	AA213	B	1	67	57.3	52.7	4.6									
	AA214	B	1	67	60.7	56.8	3.9									
	AA215	B	1	67	61.4	58.5	2.9									
	AA216	B	1	67	57.2	52.6	4.6									
	AA217	B	1	67	60.4	56.5	3.9									
	AA218	B	1	67	61.2	58.2	3.0									
	AA219	B	1	67	57.2	54.0	3.2									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C92 Continued
Build Noise Barrier Cost Effectiveness - Wall AA - 20 Foot Noise Barrier at 4255 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	AA220	B	1	67	59.8	56.3	3.5									
	AA221	B	1	67	60.6	58.1	2.5									
	AA222	B	1	67	56.5	53.0	3.5									
	AA223	B	1	67	59.6	56.1	3.5									
	AA224	B	1	67	60.5	58.0	2.5									
	AA225	B	1	67	69.7	65.6	4.1									
	AA226	B	1	67	71.5	67.0	4.5									
	AA227	B	1	67	71.7	68.5	3.2									
	AA228	B	1	67	69.7	65.7	4.0									
	AA229	B	1	67	71.5	67.0	4.5									
	AA230	B	1	67	71.6	68.5	3.1									
	AA231	B	1	67	69.6	65.5	4.1									
	AA232	B	1	67	71.3	67.0	4.3									
	AA233	B	1	67	71.5	68.4	3.1									
	AA234	B	1	67	69.5	65.5	4.0									
	AA235	B	1	67	71.2	66.9	4.3									
	AA236	B	1	67	71.4	68.3	3.1									
	AA237	B	1	67	69.4	65.5	3.9									
	AA238	B	1	67	71.1	66.9	4.2									
	AA239	B	1	67	71.3	68.3	3.0									
	AA240	B	1	67	52.9	51.7	1.2									
	AA241	B	1	67	53.0	51.9	1.1									
	AA242	B	1	67	57.9	57.0	0.9									
	AA243	B	1	67	53.3	52.1	1.2									
	AA244	B	1	67	52.9	51.5	1.4									
	AA245	B	1	67	58.3	57.2	1.1									
	AA246	B	1	67	53.5	52.3	1.2									
Wall AA	AA247	B	1	67	52.8	51.0	1.8	27	Yes	No	20	4,255	84,316	$3,035,376	N/A	Does Not Meet Noise Reduction Design Goal
	AA248	B	1	67	58.5	57.4	1.1									
	AA249	B	1	67	53.5	52.3	1.2									
	AA250	B	1	67	52.8	51.1	1.7									
	AA251	B	1	67	58.5	57.4	1.1									
	AA252	B	1	67	53.0	51.7	1.3									
	AA253	B	1	67	53.4	52.1	1.3									
	AA254	B	1	67	58.1	57.0	1.1									
	AA255	B	1	67	60.9	58.5	2.4									
	AA256	B	1	67	60.7	57.7	3.0									
	AA257	B	1	67	61.6	59.9	1.7									
	AA258	B	1	67	61.6	59.2	2.4									
	AA259	B	1	67	61.2	58.5	2.7									
	AA260	B	1	67	61.7	60.1	1.6									
	AA261	B	1	67	60.9	57.6	3.3									
	AA262	B	1	67	61.1	57.9	3.2									
	AA263	B	1	67	61.9	60.2	1.7									
	AA264	B	1	67	60.2	56.1	4.1									
	AA265	B	1	67	61.2	57.9	3.3									
	AA266	B	1	67	62.1	60.5	1.6									
	AA267	B	1	67	60.4	56.2	4.2									
	AA268	B	1	67	61.4	58.0	3.4									
	AA269	B	1	67	62.2	60.5	1.7									
	AA270	B	120	67	61.4	56.5	4.9									
	AA271	C	1	67	69.7	67.9	1.8									
	AA272	B	1	67	68.2	65.0	3.2									
	AA273	B	1	67	69.8	66.4	3.4									
	AA274	B	1	67	70.1	67.3	2.8									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C92 Continued
Build Noise Barrier Cost Effectiveness - Wall AA - 20 Foot Noise Barrier at 4255 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	AA275	B	1	67	68.1	65.0	3.1									
	AA276	B	1	67	69.7	66.4	3.3									
	AA277	B	1	67	70.0	67.3	2.7									
	AA278	B	1	67	68.0	64.9	3.1									
	AA279	B	1	67	69.6	66.4	3.2									
	AA280	B	1	67	69.9	67.2	2.7									
	AA281	B	1	67	67.9	64.8	3.1									
	AA282	B	1	67	69.5	66.4	3.1									
	AA283	B	1	67	69.9	67.1	2.8									
	AA284	B	1	67	67.9	64.8	3.1									
	AA285	B	1	67	69.5	66.4	3.1									
	AA286	B	1	67	69.9	67.1	2.8									
	AA287	B	1	67	52.3	51.4	0.9									
	AA288	B	1	67	53.1	52.1	1.0									
	AA289	B	1	67	57.8	57.1	0.7									
	AA290	B	1	67	53.2	52.2	1.0									
	AA291	B	1	67	52.6	51.3	1.3									
	AA292	B	1	67	58.6	57.4	1.2									
	AA293	B	1	67	53.3	52.3	1.0									
	AA294	B	1	67	52.6	51.3	1.3									
	AA295	B	1	67	58.6	57.5	1.1									
	AA296	B	1	67	53.1	51.9	1.2									
	AA297	B	1	67	52.8	51.7	1.1									
	AA298	B	1	67	58.4	57.3	1.1									
	AA299	B	1	67	52.9	51.7	1.2									
	AA300	B	1	67	53.1	52.2	0.9									
	AA301	B	1	67	58.1	57.0	1.1									
Wall AA	AA302	B	1	67	60.9	56.9	4.0	27	Yes	No	20	4,255	84,316	$3,035,376	N/A	Does Not Meet Noise Reduction Design Goal
	AA303	B	1	67	63.2	59.3	3.9									
	AA304	B	1	67	63.8	60.7	3.1									
	AA305	B	1	67	60.6	56.9	3.7									
	AA306	B	1	67	63.2	59.5	3.7									
	AA307	B	1	67	63.8	60.9	2.9									
	AA308	B	1	67	60.2	56.6	3.6									
	AA309	B	1	67	63.1	59.5	3.6									
	AA310	B	1	67	63.8	61.0	2.8									
	AA311	B	1	67	58.1	55.8	2.3									
	AA312	B	1	67	63.1	59.6	3.5									
	AA313	B	1	67	63.8	61.2	2.6									
	AA314	B	1	67	57.8	55.8	2.0									
	AA315	B	1	67	63.2	59.8	3.4									
	AA316	B	1	67	63.8	61.4	2.4									
	AA317	C	1	67	69.3	67.7	1.6									
	AA318	B	1	67	66.1	62.3	3.8									
	AA319	B	1	67	62.5	57.9	4.6									
	AA320	B	1	67	60.0	55.4	4.6									
	AA321	C	1	67	70.9	69.8	1.1									
	AA322	B	1	67	65.6	62.3	3.3									
	AA323	B	1	67	62.4	59.6	2.8									
	AA324	B	1	67	61.8	60.0	1.8									
	AA325	C	1	67	71.0	70.2	0.8									
	AA326	E	4	72	64.1	62.9	1.2									
	AA327	C	1	67	68.4	68.1	0.3									
	AA328	C	1	67	68.0	67.9	0.1									
	AA329	C	1	67	69.5	69.5	0.0									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C92 Continued

Build Noise Barrier Cost Effectiveness - Wall AA - 20 Foot Noise Barrier at 4255 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall AA	AA330	E	6	72	65.1	64.3	0.8	27	Yes	No	20	4,255	84,316	$3,035,376	N/A	Does Not Meet Noise Reduction Design Goal
	AA331	E	1	72	64.0	64.0	0.0									
	AA332	C	1	67	73.2	73.2	0.0									
	AA333	C	1	67	71.2	71.1	0.1									
	AA334	C	1	67	70.4	70.4	0.0									

Table C93

Build Noise Barrier Cost Effectiveness - Wall BB1 - 20 Foot Noise Barrier at 2945 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall BB1	BB3	E	1	72	60.1	58.8	1.3	1	Yes	Yes	20	2,945	58,116	$2,092,176	$2,092,176	Not Cost Effective
	BB4	E	1	72	65.3	61.3	4.0									
	BB5	C	1	67	71.2	70.9	0.3									
	BB6	B	1	67	64.9	61.8	3.1									
	BB7	C	1	67	73.7	72.7	1.0									
	BB8	C	1	67	71.9	69.1	2.8									
	BB9	C	1	67	70.5	67.6	2.9									
	BB10	F	1	N/A	64.4	59.8	4.6									
	BB11	C	1	67	70.4	68.4	2.0									
	BB12	B	1	67	59.4	57.0	2.4									
	BB13	B	1	67	59.8	57.3	2.5									
	BB14	B	1	67	60.2	58.1	2.1									
	BB15	B	1	67	61.1	59.0	2.1									
	BB16	B	1	67	62.9	60.6	2.3									
	BB17	C	1	67	69.4	68.4	1.0									
	BB18	E	1	72	70.6	62.4	**8.2**									
	BB19	C	1	67	70.7	70.2	0.5									
	BB20	E	1	72	61.9	59.9	2.0									
	BB21	E	1	72	62.8	61.1	1.7									
	BB22	E	1	72	63.0	61.0	2.0									
	BB23	C	1	67	69.8	69.3	0.5									
	BB24	B	1	67	66.2	64.9	1.3									
	BB25	B	1	67	70.6	70.6	0.0									
	BB26	E	1	72	59.7	57.9	1.8									
	BB27	E	1	72	58.8	58.4	0.4									
	BB28	E	1	72	58.7	58.6	0.1									
	BB29	C	1	67	66.7	65.7	1.0									
	BB30	C	1	67	58.8	57.2	1.6									
	BB31	C	1	67	56.8	55.9	0.9									
	BB32	C	1	67	58.7	58.5	0.2									
	BB33	C	1	67	60.0	59.9	0.1									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C94
Build Noise Barrier Cost Effectiveness - Wall BB1 - 15 Foot Noise Barrier at 2945 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	BB3	E	1	72	60.1	60.4	-0.3									
	BB4	E	1	72	65.3	62.4	2.9									
	BB5	C	1	67	71.2	71.0	0.2									
	BB6	B	1	67	64.9	63.5	1.4									
	BB7	C	1	67	73.7	72.9	0.8									
	BB8	C	1	67	71.9	69.5	2.4									
	BB9	C	1	67	70.5	68.1	2.4									
	BB10	F	1	N/A	64.4	61.4	3.0									
	BB11	C	1	67	70.4	68.8	1.6									
	BB12	B	1	67	59.4	57.9	1.5									
	BB13	B	1	67	59.8	58.2	1.6									
	BB14	B	1	67	60.2	59.1	1.1									
	BB15	B	1	67	61.1	60.1	1.0									
	BB16	B	1	67	62.9	61.7	1.2									
	BB17	C	1	67	69.4	68.7	0.7									
Wall BB1	BB18	E	1	72	70.6	63.9	**6.7**	1	Yes	No	15	2,945	43,851	$1,578,636	N/A	Does Not Meet Noise Reduction Design Goal
	BB19	C	1	67	70.7	70.3	0.4									
	BB20	E	1	72	61.9	60.6	1.3									
	BB21	E	1	72	62.8	61.6	1.2									
	BB22	E	1	72	63.0	61.5	1.5									
	BB23	C	1	67	69.8	69.4	0.4									
	BB24	B	1	67	66.2	65.1	1.1									
	BB25	B	1	67	70.6	70.6	0.0									
	BB26	E	1	72	59.7	58.5	1.2									
	BB27	E	1	72	58.8	58.5	0.3									
	BB28	E	1	72	58.7	58.7	0.0									
	BB29	C	1	67	66.7	65.8	0.9									
	BB30	C	1	67	58.8	57.7	1.1									
	BB31	C	1	67	56.8	56.2	0.6									
	BB32	C	1	67	58.7	58.8	-0.1									
	BB33	C	1	67	60.0	59.9	0.1									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C95
Build Noise Barrier Cost Effectiveness - Wall BB1 - 20 Foot Noise Barrier at 195 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
	BB3	E	1	72	60.1	60.4	-0.3									
	BB4	E	1	72	65.3	65.7	-0.4									
	BB5	C	1	67	71.2	71.2	0.0									
	BB6	B	1	67	64.9	65.0	-0.1									
	BB7	C	1	67	73.7	73.7	0.0									
	BB8	C	1	67	71.9	71.9	0.0									
	BB9	C	1	67	70.5	70.3	0.2									
	BB10	F	1	N/A	64.4	64.1	0.3									
	BB11	C	1	67	70.4	70.1	0.3									
	BB12	B	1	67	59.4	59.0	0.4									
	BB13	B	1	67	59.8	59.4	0.4									
	BB14	B	1	67	60.2	59.7	0.5									
	BB15	B	1	67	61.1	60.8	0.3									
	BB16	B	1	67	62.9	62.6	0.3									
	BB17	C	1	67	69.4	69.0	0.4									
Wall BB1	BB18	E	1	72	70.6	64.5	**6.1**	1	Yes	No	20	195	3,116	$112,176	N/A	Does Not Meet Noise Reduction Design Goal
	BB19	C	1	67	70.7	70.7	0.0									
	BB20	E	1	72	61.9	62.0	-0.1									
	BB21	E	1	72	62.8	62.8	0.0									
	BB22	E	1	72	63.0	63.0	0.0									
	BB23	C	1	67	69.8	69.8	0.0									
	BB24	B	1	67	66.2	66.3	-0.1									
	BB25	B	1	67	70.6	70.6	0.0									
	BB26	E	1	72	59.7	59.7	0.0									
	BB27	E	1	72	58.8	58.8	0.0									
	BB28	E	1	72	58.7	58.7	0.0									
	BB29	C	1	67	66.7	66.7	0.0									
	BB30	C	1	67	58.8	58.8	0.0									
	BB31	C	1	67	56.8	56.7	0.1									
	BB32	C	1	67	58.7	58.8	-0.1									
	BB33	C	1	67	60.0	60.1	-0.1									

Noise Level Comparison	
XX	Approaches or Exceeds FHWA Noise Abatement Criteria

Table C96
Build Noise Barrier Cost Effectiveness - Wall BB2 - 20 Foot Noise Barrier at 1325 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall BB2	BB34	C	1	67	63.2	61.7	1.5	3	Yes	Yes	20	1,325	25,716	$925,776	$308,592	Not Cost Effective
	BB35	C	1	67	65.5	58.2	**7.3**									
	BB36	C	1	67	67.0	59.6	**7.4**									
	BB37	C	1	67	68.2	61.0	**7.2**									
	BB38	C	1	67	67.0	63.2	3.8									
	BB39	C	1	67	61.4	60.9	0.5									
	BB40	C	1	67	58.5	57.0	1.5									
	CC1	E	1	72	65.7	61.8	3.9									

Table C97
Build Noise Barrier Cost Effectiveness - Wall BB2 - 15 Foot Noise Barrier at 1325 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall BB2	BB34	C	1	67	63.2	62.0	1.2	1	Yes	No	15	1,325	19,551	$703,836	N/A	Does Not Meet Noise Reduction Design Goal
	BB35	C	1	67	65.5	60.2	**5.3**									
	BB36	C	1	67	67.0	62.3	4.7									
	BB37	C	1	67	68.2	64.7	3.5									
	BB38	C	1	67	67.0	66.3	0.7									
	BB39	C	1	67	61.4	62.4	-1.0									
	BB40	C	1	67	58.5	58.5	0.0									
	CC1	E	1	72	65.7	65.2	0.5									

Table C98
Build Noise Barrier Cost Effectiveness - Wall BB2 - 20 Foot Noise Barrier at 860 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall BB2	BB34	C	1	67	63.2	61.7	1.5	3	Yes	Yes	20	860	16,416	$590,976	$196,992	Not Cost Effective
	BB35	C	1	67	65.5	58.3	**7.2**									
	BB36	C	1	67	67.0	60.1	**6.9**									
	BB37	C	1	67	68.2	62.7	**5.5**									
	BB38	C	1	67	67.0	66.2	0.8									
	BB39	C	1	67	61.4	61.8	-0.4									
	BB40	C	1	67	58.5	57.9	0.6									
	CC1	E	1	72	65.7	66.5	-0.8									

Table C99
Build Noise Barrier Cost Effectiveness - Wall DD - 20 Foot Noise Barrier at 400 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall DD	DD6	E	1	72	72.1	64.3	**7.8**	1	Yes	Yes	20	400	7,216	$259,776	$259,776	Not Cost Effective

Table C100
Build Noise Barrier Cost Effectiveness - Wall DD - 15 Foot Noise Barrier at 400 feet

Noise Barrier	Receptor	Land Use	Number of Units	Leq Noise Level (dBA)			Noise Reduction (dBA)	Total Benefited Receptors	Acoustically Effective	Design Goal Reduction (>7 dBA)	Height of Barrier (ft)	Length of Barrier (ft)	Barrier Area (sq ft)	Total Cost of Barrier ($36/sq ft)	Cost Per Benefited Receptor	Noise Barrier Results
				FHWA Noise Standard	Build Year 2045 No Noise Barrier	Build Year 2045 With Noise Barrier										
Wall DD	DD6	E	1	72	72.1	66.0	**6.1**	1	Yes	No	15	400	5,676	$204,336	N/A	Does Not Meet Noise Reduction Design Goal