FIGURES

NSA Mapping Page Index	
NSA	Figure No.
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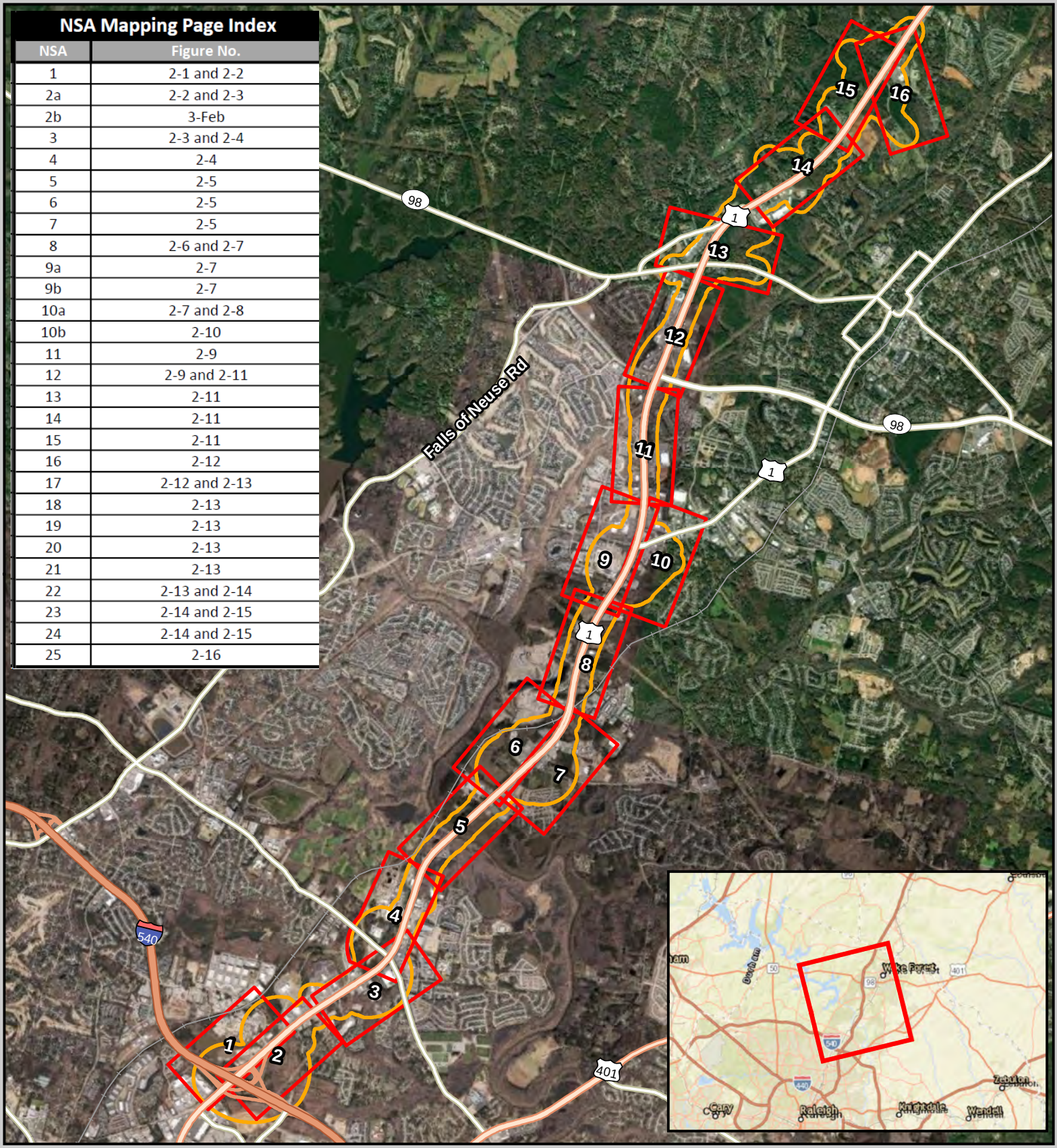


US 1 (Capital Boulevard) Freeway Upgrade

Wake County, North Carolina
STIP Project No: U-5307

ATCS

Study Limits

Figure 1
Project Vicinity Map

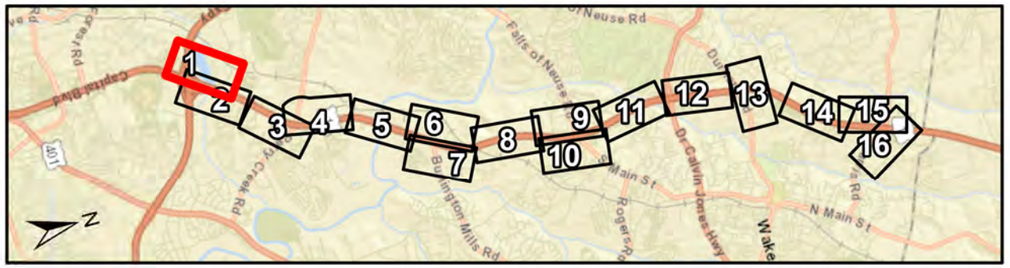
0 1 2
Miles

Plantation Center Dr
Triangle Plantation Dr
I540 EB
I540 WB
Overlook Rd
Reba Dr
Gresham Lake Rd
Capital Hills Dr
NSA 1
1-01
Cheviot Hills Dr
Capital Blvd
Triangle Town Blvd
NSA 2a

Measured and Modeled Receivers
- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
- Right-of-Way Acquisition
- Short Term Measurement Site
- Long Term Measurement Site

- Non-Noise Sensitive Location
- Preliminary Noise Wall (Feasible and Reasonable)
- Preliminary Noise Wall (Feasible not Reasonable)
- Project Study Limits
- Noise Study Area (NSA)
- Parcel Boundary
- Design Edge of Travel
- Proposed Right-of-Way

0 250 500 US Feet



US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 1

Measured and Modeled Receivers

- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
- Right-of-Way Acquisition
- Short Term Measurement Site
- Long Term Measurement Site
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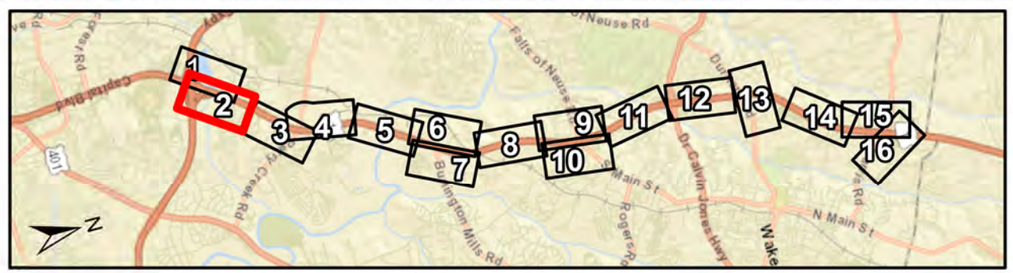
- Parcel Boundary
- Design Edge of Travel
- Proposed Right-of-Way

0 250 500 US Feet



US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 2

Measured and Modeled Receivers

- Impacted, Benefited
- Impacted, Not Benefited
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- Right-of-Way Acquisition
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0 250 500 US Feet

US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 3

Capital Hills Dr
Durant Rd
Perry Creek Rd
Perry Commons Dr
Neuse Commons Ln
Wadford Dr
Thornton Rd
EVERGREEN FORESTWAY
Capital Blvd
1
NSA 3
NSA 4
3-01
3-02
3-03
4-01
4-02
4-03
4-04

Measured and Modeled Receivers
- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
- Right-of-Way Acquisition
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- Long Term Measurement Site
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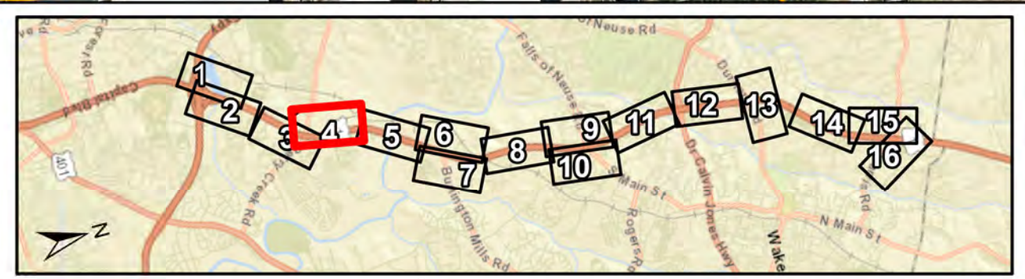
- Preliminary Noise Wall (Feasible not Reasonable)
- Project Study Limits
- Noise Study Area (NSA)
- Parcel Boundary
- Design Edge of Travel
- Proposed Right-of-Way

0 250 500 US Feet

N



US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 4

NSA 5 Multistory Receptors

5-01b	5-01c	5-12b	5-12c
5-02b	5-02c	5-13b	5-13c
5-03b	5-03c	5-14b	5-14c
5-04b	5-04c	5-16b	5-16c
5-05b	5-05c	5-17b	5-17c
5-06b	5-06c	5-18b	5-18c
5-07b	5-07c	5-19b	5-19c
5-08b	5-08c	5-20b	5-20c
5-09b	5-09c	5-21b	5-21c
5-10b	5-10c	5-23b	5-23c
5-11b	5-11c	5-24b	5-24c

Measured and Modeled Receivers

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- Impacted, Not Benefited
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- Not Impacted
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- Parcel Boundary
- Design Edge of Travel
- Proposed Right-of-Way

0 325 650 US Feet

US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 5

Measured and Modeled Receivers

- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
- Right-of-Way Acquisition
- Short Term Measurement Site
- Long Term Measurement Site
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- Design Edge of Travel
- Proposed Right-of-Way

0 250 500 US Feet

US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 6

Measured and Modeled Receivers

- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
- Right-of-Way Acquisition
- Short Term Measurement Site
- Long Term Measurement Site
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- Preliminary Noise Wall (Feasible and Reasonable)
- Preliminary Noise Wall (Feasible not Reasonable)
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- Noise Study Area (NSA)
- Parcel Boundary
- Design Edge of Travel
- Proposed Right-of-Way

0 250 500 US Feet

US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 6 Alt 3

NSA 8
Circle Dr
Capital Blvd
Teletec Plz
Stickman St
NSA 10a
10a-01
Stroller Ridge Dr
Leighton Ridge Dr
Leeland Ridge Dr
Unicon Dr
One World Way
Finger Lakes Dr
Burlington Mills Rd
Urial Dr
9a
9a-01
9a-02
9b
9a-03
9a-04
NSA 9a
9a-05
Meadstone Way
SWEET BASIL DR
NSA 9b
Hillsgrove Rd
Middletown Dr
Iyar Way
Tarkiln Pl
Clover Bank St
Rainsong Dr
Overglen Ave
Corktree Ct
Precious Stone Dr
Shearon Farms Ave

Measured and Modeled Receivers
- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
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0 250 500 US Feet

US 1 (Capital Boulevard) Freeway Upgrade

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Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 7

Bradstone Ct
Ponderosa Park Dr
Ponderosa Service Rd
NSA 11
11-03
11-02
11b
11-04
11-01
11-05
11a
Lois Ln
Capital Blvd
1
-NW 10-1-
-NW 11-1A-
Star Rd
Edgar Ln
Height Ln
10a-15
10a-16
10a-22
10a-09
10a
10a-03
10a-08
10a-14
10a-17
10a-02
10b
Dots Ln
NSA 10a
Cliff Ln
10a-04
10a-07
10a-10
10a-18
10c
10a-13
10a-11
10a-05
10a-12
10a-19
10a-20
LT1
10a-06
10a-21
Via Fortunata Plz
Future Villagio La Scala, No Active Building Permits

Measured and Modeled Receivers
- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
- Right-of-Way Acquisition
- Short Term Measurement Site
- Long Term Measurement Site
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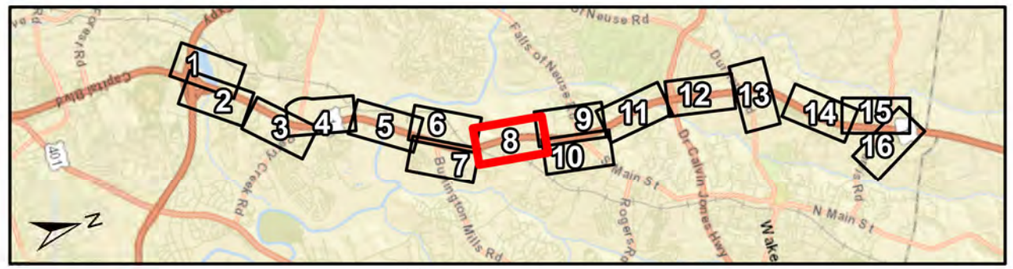
- Project Study Limits
- Noise Study Area (NSA)
- Parcel Boundary
- Design Edge of Travel
- Proposed Right-of-Way

N

0 250 500 US Feet



US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 8

Pine Fork Ct
Bradstone Ct
Kelly Pine Ct
Ponderosa Park Dr
Nickleby Way
Oliver Rd
Wakefield Commons Dr
Forest Pines Dr
Falls Of Neuse Rd
John Rex Blvd
Common Oaks Dr
Galleria Ave
Governor Manly Way
Tidewater Ln
Ponderosa Service Rd
Capital Blvd
Star Rd
S Main St
Crossover
Popes Creek Dr
Calloway Gap Rd
Colbert Creek Loop
Ingleside Pl

NSA 11
NSA 12

11-01
11-02
11-03
11-04
11-05
11a
11b
11-06
11-07
11-08
11-09
11-10
11-11
11-12
11-13
11-14
11-15
12-01

-NW 11-1A-

Future Villagio La Scala, No Active Building Permits

Measured and Modeled Receivers
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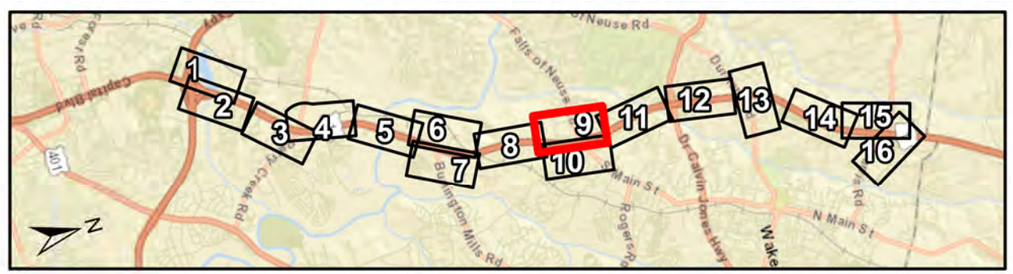
0 250 500 US Feet



US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 9

NSA 11
1
Capital Blvd
Falls Of Neuse Rd
Star Rd
13-01
NSA 13
Future Villagio La Scala, No Active Building Permits
10-27
NSA 10b
10b-21
10-26
10b-24
10b-22
10b-20
10b-25
10b-19
10b-23
10b-18
10b-17
10b-16
10b-15
10b-14
10b-13
10b-12
10b-11
10b-10
10b-09
10b-08
10b-07
10b-06
10b-05
10b-04
10b-03
10b-02
10b-01
Forest Rd
Wake Dr
Sovereign Way
Forest Lynks Dr
Ligon Mill Rd
San Remo Pl
Porto Fino Ave
Pompeii Pl
Cameron Dr
Carter St
Mangum Ave
S Main St

Measured and Modeled Receivers
- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
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- Long Term Measurement Site
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- Preliminary Noise Wall (Feasible not Reasonable)
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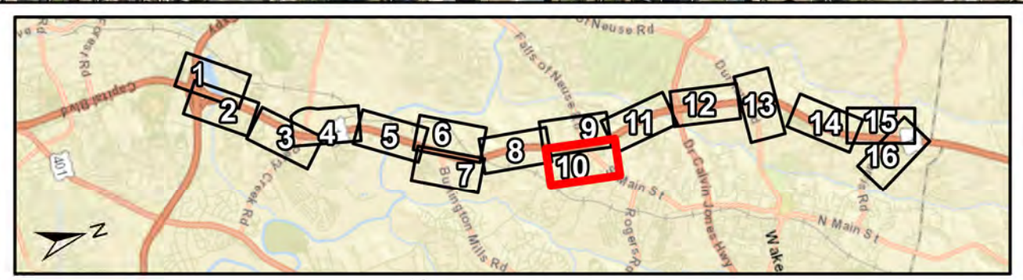
- Noise Study Area (NSA)
- Parcel Boundary
- Design Edge of Travel
- Proposed Right-of-Way

N

0 250 500 US Feet



US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 10

Detailed figures for NSA 14 can be found on the following two pages

NSA 12
NSA 13
NSA 14
NSA 15
NSA 16

NSA 15 Multistory Receptors
15-02b, 15-03b, 15-04b, 15-05b, 15-06b, 15-07b, 15-09b, 15-10b, 15-11b, 15-12b, 15-14b, 15-15b, 15-16b, 15-17b, 15-18b, 15-19b, 15-20b, 15-21b, 15-23b, 15-24b, 15-25b, 15-26b, 15-29b, 15-30b, 15-31b, 15-32b

Measured and Modeled Receivers
- Impacted, Benefited
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- Long Term Measurement Site

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0 250 500 US Feet

US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 11

Measured and Modeled Receivers

- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
- Right-of-Way Acquisition
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0 250 500 US Feet

US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 11 A

Measured and Modeled Receivers

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- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
- Right-of-Way Acquisition
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0 250 500 US Feet

US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 11 B

Fox Valley St
Archdale Dr
Canes Way
Deerberry Ln
Jones Wynd
Clatter Ave
Flemming House St
Sawnwork Ct
Loghouse St
Federal House Ave
Warmoven St
Washhouse Ln
Crenshaw Pt
Applenook Ct
Hampton Way Dr
Durham Rd
Northpark Dr
NSA 16
16-02
16-03
17-01
NSA 17
17-03
17-02
Dr Calvin Jones Hwy
Retail Dr
NSA 18
18-01
18-02
18-03
18-04
18-05
Cloverleaf Dr
NSA 19
-NW
15-1-
Capital Blvd Ramp
Capital Blvd
Capital Blvd To Durham Rd Ramp
Galaxy Dr
Lowes Ave
Falcate Dr
NSA 15
NSA 20
Pasture Walk Dr
Blue Bird Ln

Measured and Modeled Receivers
- Impacted, Benefited
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- Not Impacted, Benefited
- Not Impacted
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- Parcel Boundary
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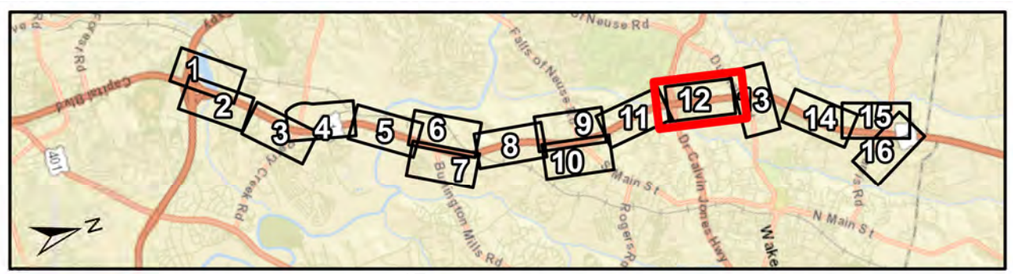
- Proposed Right-of-Way

0 325 650 US Feet



US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 12

NSA 22
NSA 19
NSA 21
NSA 20
NSA 18
Clarincarde Ct
Penfold Ln
Kearney Rd
Aldoncaster Dr
Wake Union Church Rd
Hampton Way Dr
Capital Blvd
Capital Blvd To Durham Rd Ramp
Durham Rd
Oakwood Dr
Holly Cir
Dogwood Ln
Hope St
Wake Forest Business Park
Magnolia Forest Ct
Cloverleaf Dr
Retail Dr
19-01
19-02
19-03
21-01
21-02
21-03
21-04
21-05
21-06
21-07
21-08
21-09
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21-30
21-31
21-32
21-33
21-34
21-35
21-36
21-37
21-38
21-39
21-40
21-41
21a
21b
20-01
20-02
20-03
20-04
20-05
20-06
20-07
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20-10
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20-23
20-24
20-25
20-26
20-27
20-28
20-29
20-30
20-31
20-32
20-33
20-34
20-35

Measured and Modeled Receivers
- Impacted, Benefited
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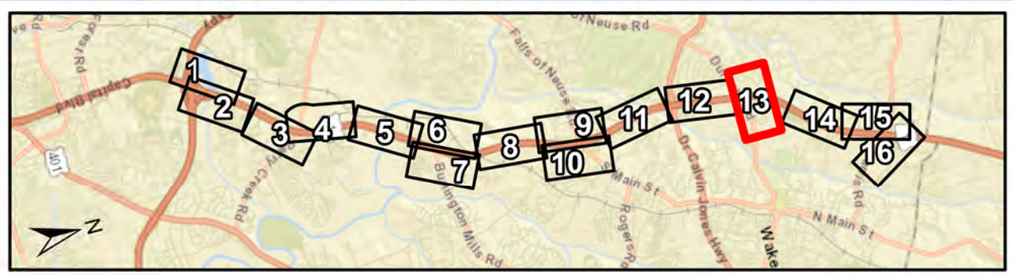
N

0 250 500 US Feet



US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 13

Measured and Modeled Receivers
- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
- Right-of-Way Acquisition
- Short Term Measurement Site
- Long Term Measurement Site
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0 250 500 US Feet

US 1 (Capital Boulevard) Freeway Upgrade

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Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 14

Country Club Dr
Club Villas Dr
Fairway Villas Dr
Wake Union Church Rd
Purnell Rd
Possum Trot Rd
LEGATO LN
ADAGIO CIR
Deer Path
DOLCE DR
Capital Blvd
Harris Rd
Wrigley Dr
St Catherines Dr
NSA 23
NSA 24
NSA 25
-NW 23-1-
-NW 24-1-
Future Devon Square Development, No Active Building Permits

Measured and Modeled Receivers
- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
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0 250 500 US Feet

US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

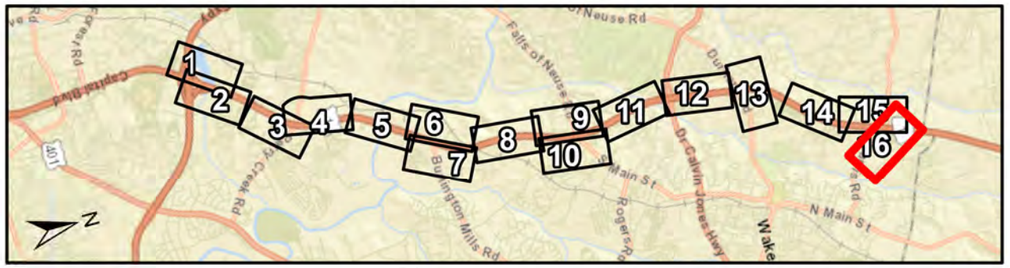
Figure: 2 - 15

NSA 24
NSA 23
NSA 25
Joyner Community Center
Carrol Joyner Park
Harris Rd
Purnell Rd
Deer Path
Possum Trot Rd
Capital Blvd
LEGATO LN
DOLCE DR
Wrigley Dr
Crossover
SONATA ST
Wallridge Dr
Sarratt Ridge Ct
Hysop Ln
Wall Rd
Flicker Ct
Tenbury Woods Ct
Sinewell Dr
Comphrey Ct
Borage Dr
Marjoram Ct
Naxos Dr
Windemere Ln

24-56 24-55 24-54 24-57 24-58 24-60 24-52 24-53 24-59 24-61 24-70 24-69 24-71 24-68 24-72 24-67 24-66 24-63 24-62 24-73 24-74 24-65 24-64
23-87 23-86 23-85
25-13 25-12 25-10 25-11 25-09 25-07 25-01 25-06 25b 25-08 25-05 25-02 25a 25-03 25-04 25-19 25-20 25-21

Measured and Modeled Receivers
- Impacted, Benefited
- Impacted, Not Benefited
- Not Impacted, Benefited
- Not Impacted
- Right-of-Way Acquisition
- Short Term Measurement Site
- Long Term Measurement Site
- Non-Noise Sensitive Location
- Preliminary Noise Wall (Feasible and Reasonable)
- Preliminary Noise Wall (Feasible not Reasonable)
- Project Study Limits
- Noise Study Area (NSA)
- Parcel Boundary
- Design Edge of Travel
- Proposed Right-of-Way

0 250 500 US Feet



US 1 (Capital Boulevard) Freeway Upgrade

STIP Project No: U-5307

Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 16

NSA 24
NSA 23
NSA 25
Joyner Community Center
Carrol Joyner Park
Harris Rd
Capital Blvd
Wrigley Dr
Purnell Rd
Deer Path
Possum Trot Rd
LEGATO LN
DOLCE DR
Crossover
SONATA ST
Wallridge Dr
Sarratt Ridge Ct
Comphrey Ct
Borage Dr
Marjoram Ct
Naxos Dr
Windemere Ln
Hysop Ln
Wall Rd
Flicker Ct
Tenbury Woods Ct
Sinewell Dr

Measured and Modeled Receivers
- Impacted, Benefited
- Impacted, Not Benefited
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0 250 500 US Feet

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Traffic Noise Report (TNR)

Wake County, North Carolina

ATCS

Figure: 2 - 16 Alt 2