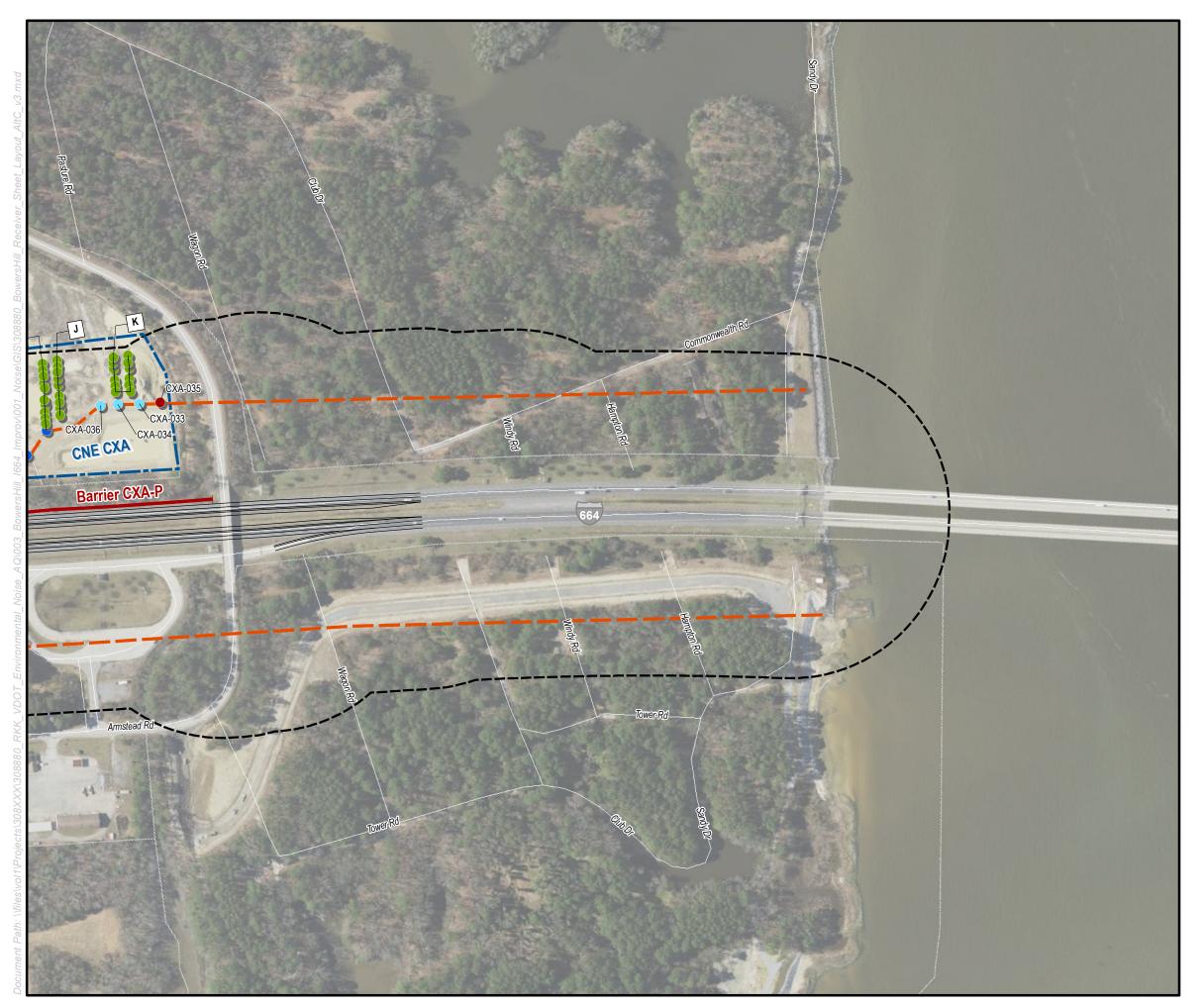
BOWERS HILL INTERCHANGE IMPROVEMENTS STUDY NOISE ANALYSIS TECHNICAL REPORT

APPENDIX I FIGURES - NOISE ANALYSIS MAPS



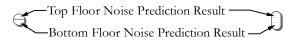


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

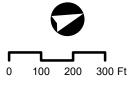
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

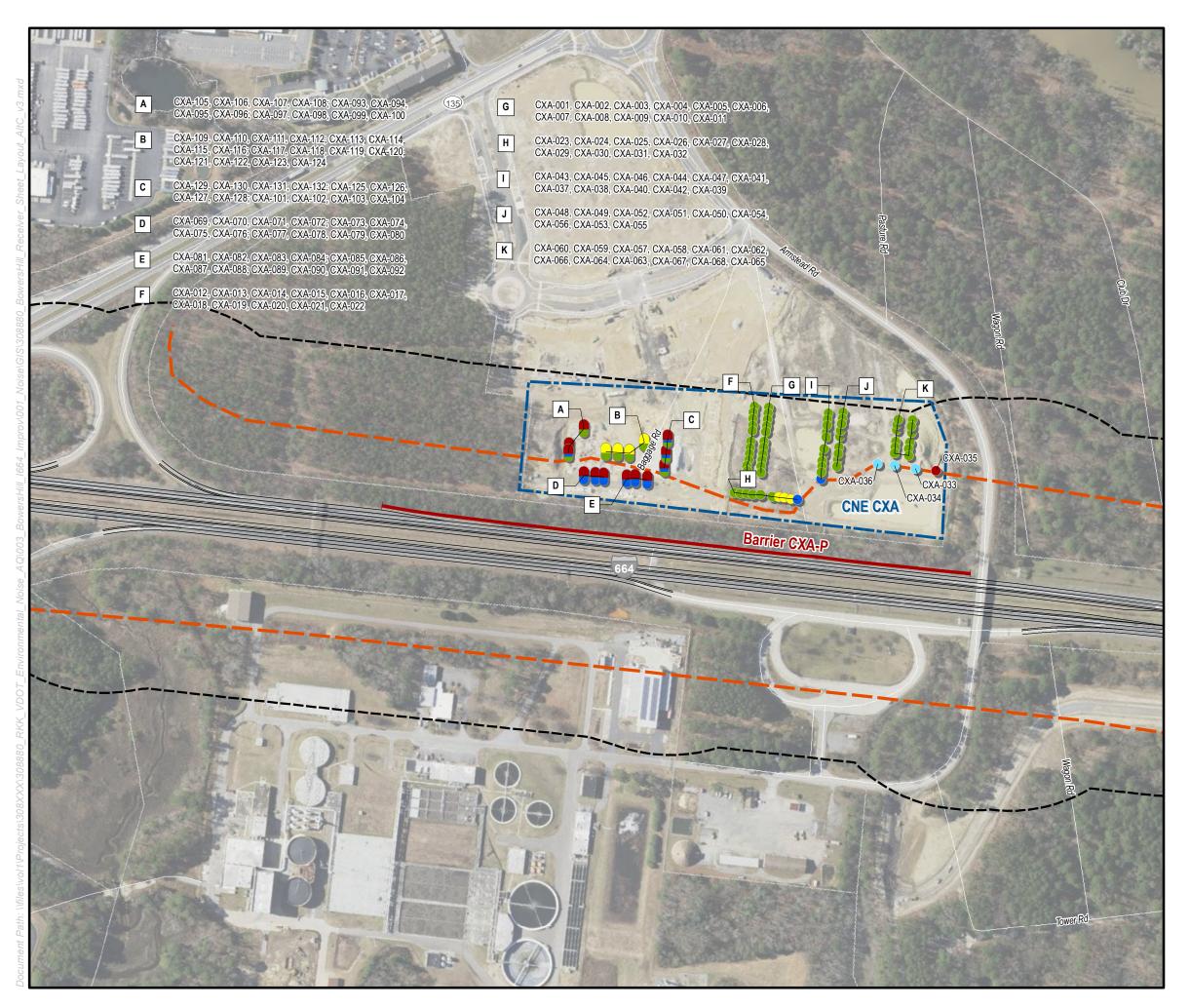
66 dBA Noise Contour







Sheet 1 of 33



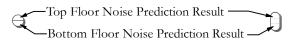


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

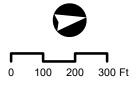
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

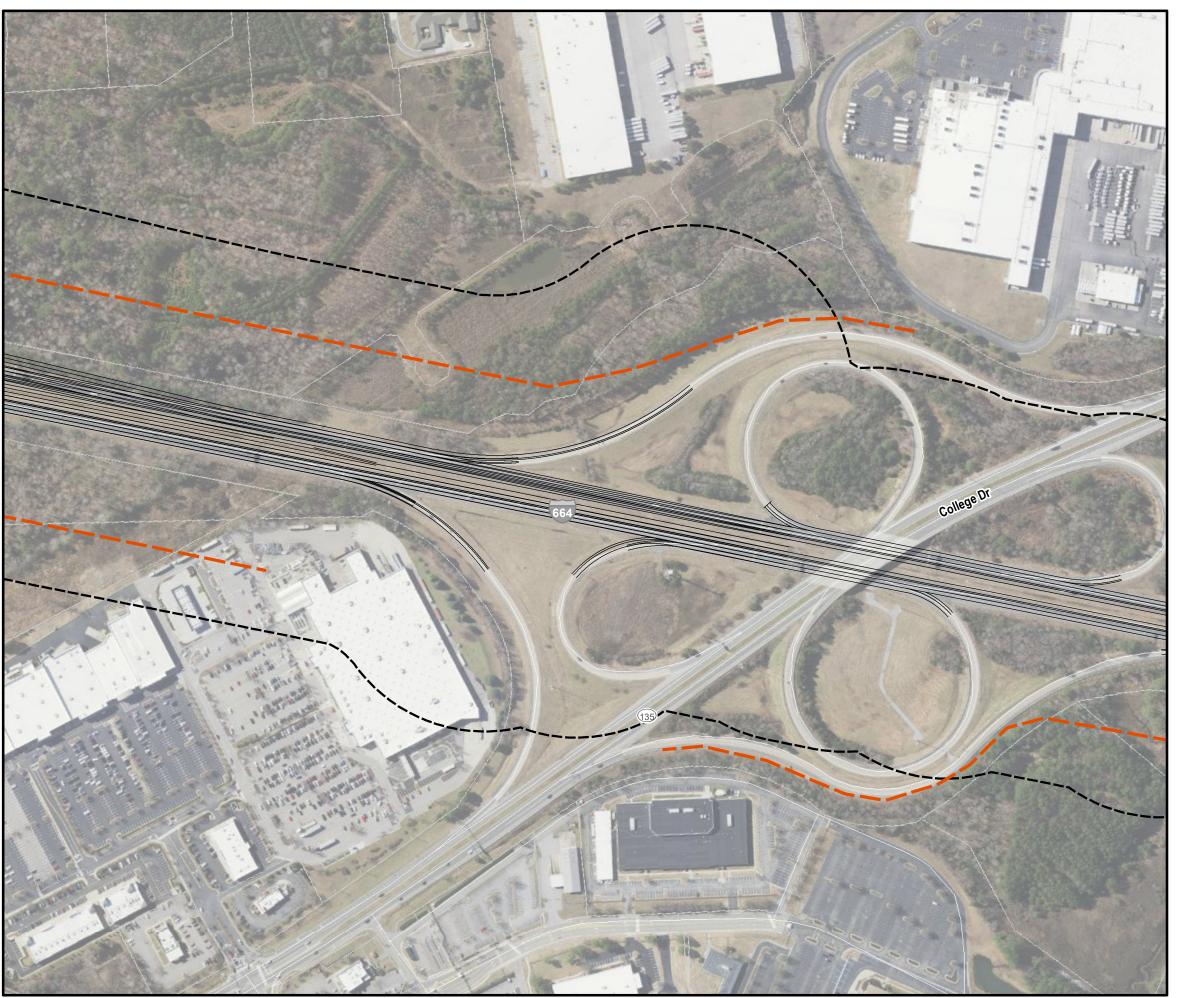
66 dBA Noise Contour







Sheet 2 of 33



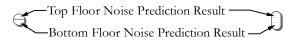


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
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Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

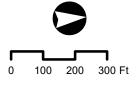
Existing Barrier to Remain

Existing Barrier to be Replaced

CNE Boundary

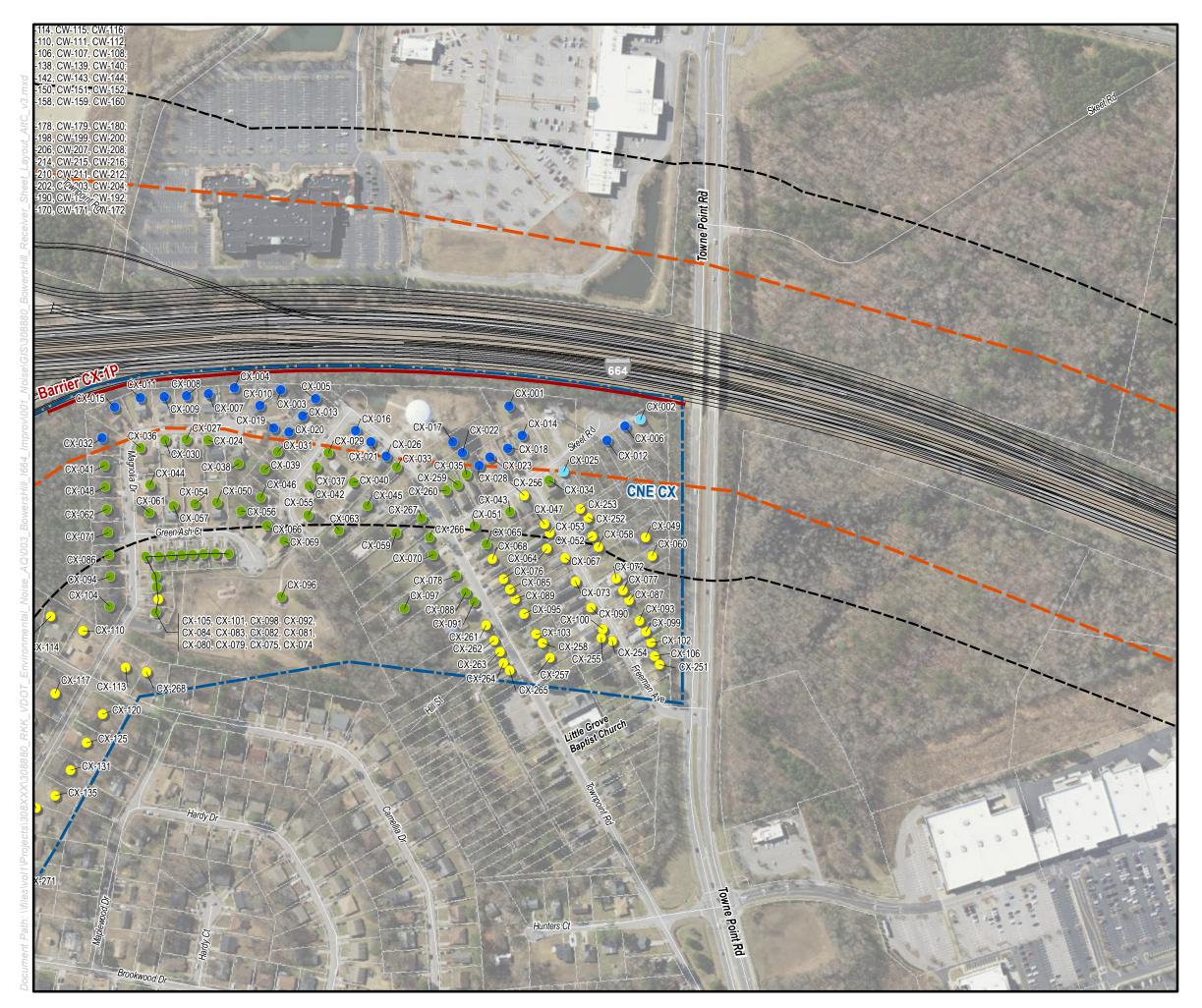
500' Noise Study Area 66 dBA Noise Contour







Sheet 3 of 33



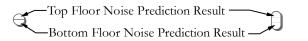


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

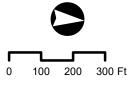
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour







Sheet 4 of 33



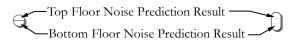


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
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Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

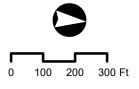
Existing Barrier to Remain

Existing Barrier to be Replaced

CNE Boundary

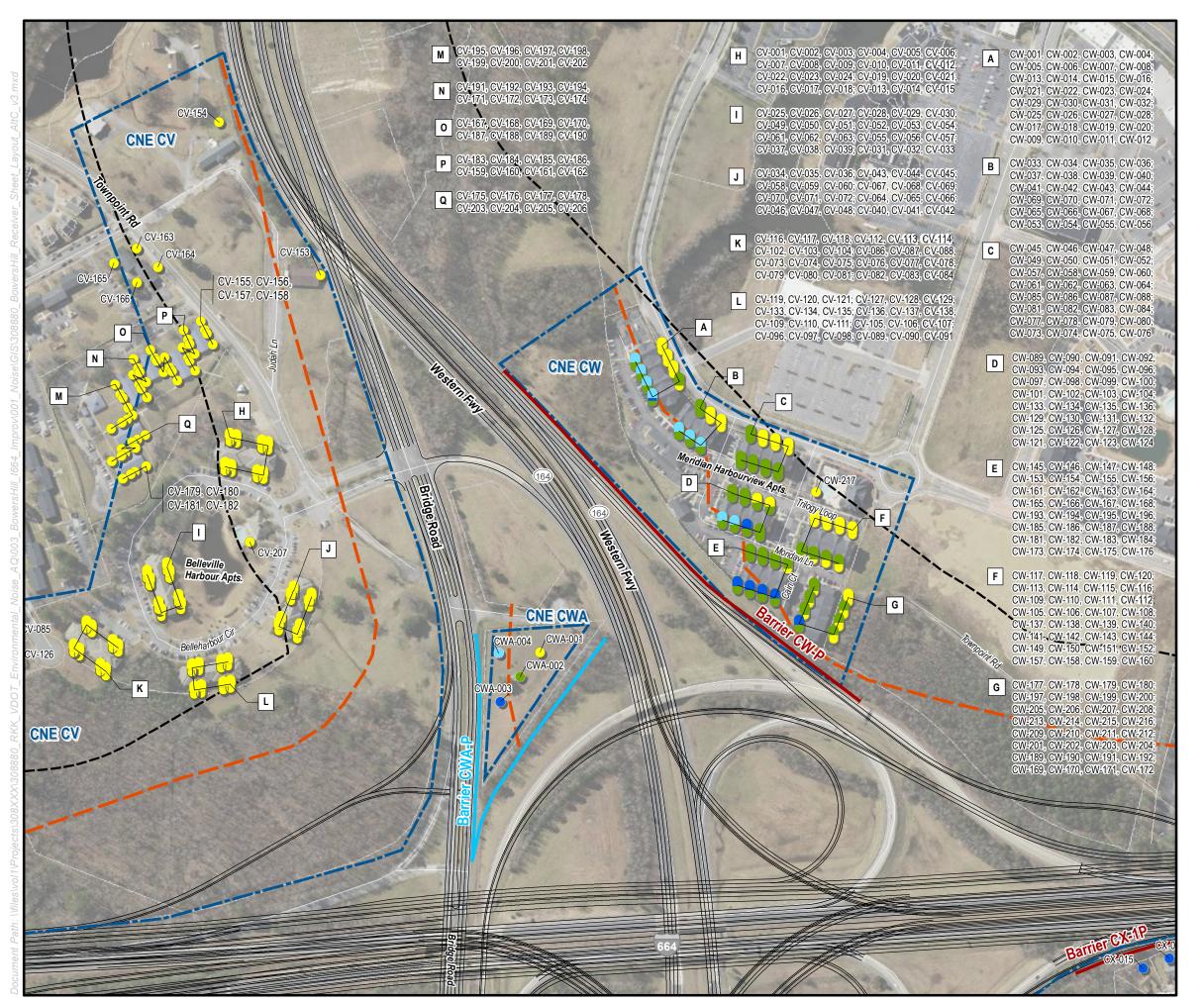
500' Noise Study Area
66 dBA Noise Contour







Sheet 5 of 33



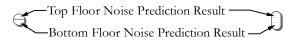


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

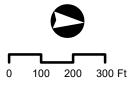
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

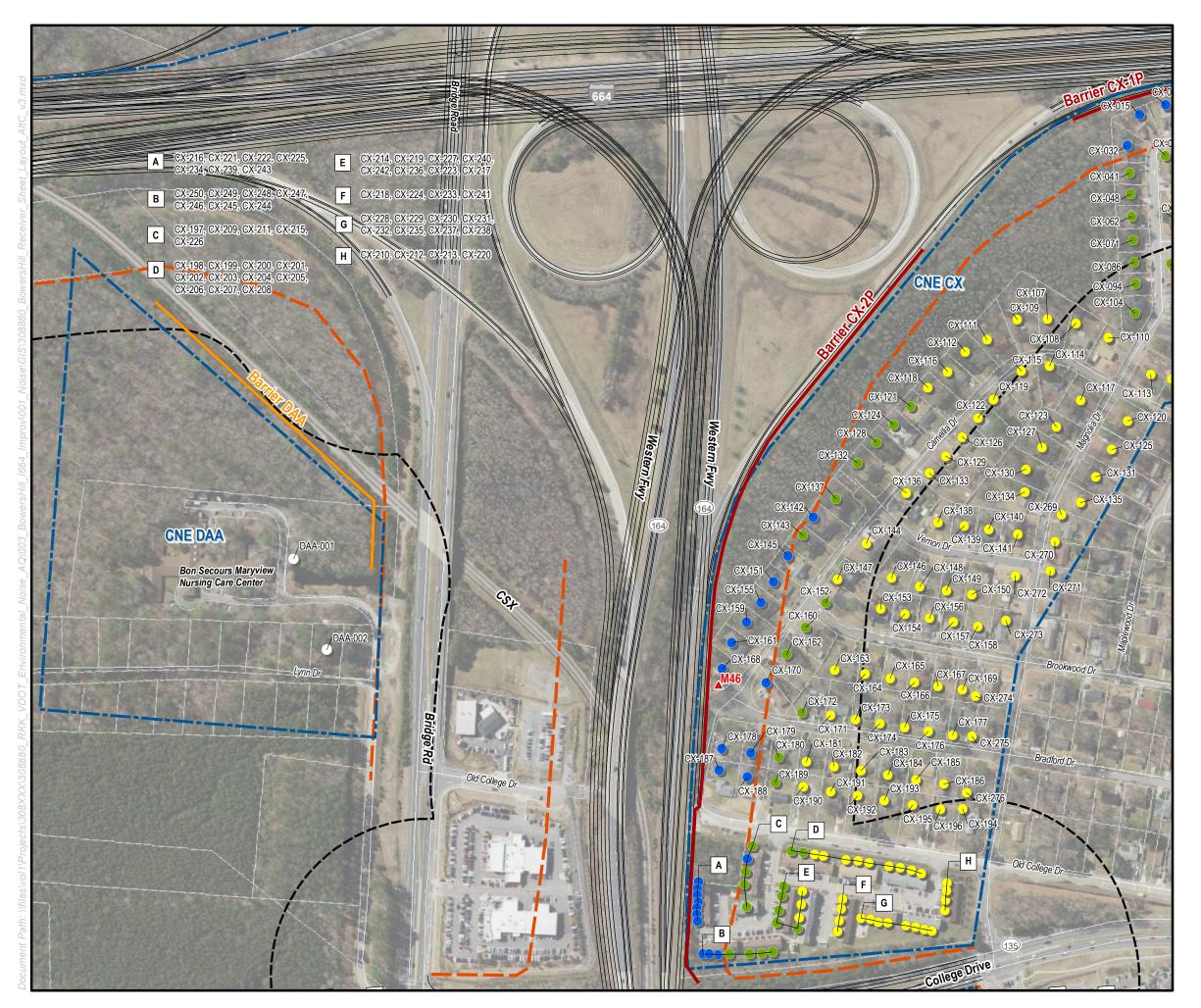
66 dBA Noise Contour







Sheet 6 of 33



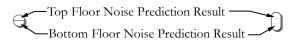


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

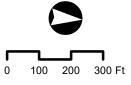
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

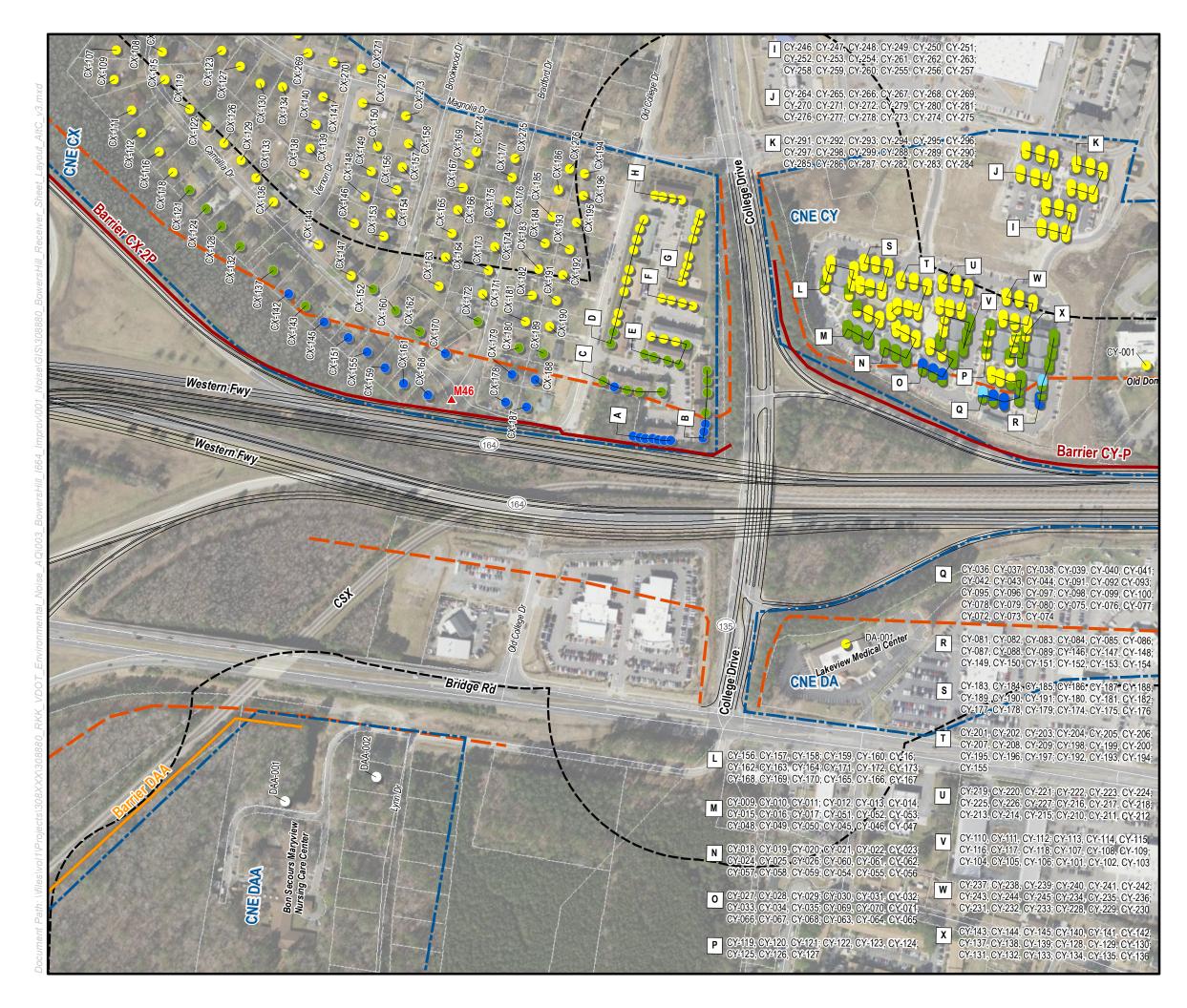
66 dBA Noise Contour







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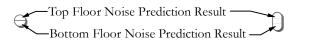


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

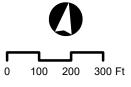
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

/ 66 dBA Noise Contour







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Location Map for Common Noise Environments, Receptors, Figure 2

Build Contours and Barriers

Bowers Hill Interchange

Improvement Study

Alternative C

Receiver Site and Number

Impacted and 5 or 6 dBA Insertion Loss

Impacted and 7 dBA or more Insertion Loss

Benefited but Not Impacted Impacted but Not Benefited

Not Benefited or Impacted Potential Acquisition

Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.

-Bottom Floor Noise Prediction Result

Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Feasible and Not Reasonable Feasible and Reasonable

Not Feasible

Existing Barrier to be Replaced Existing Barrier to Remain

CNE Boundary

500' Noise Study Area

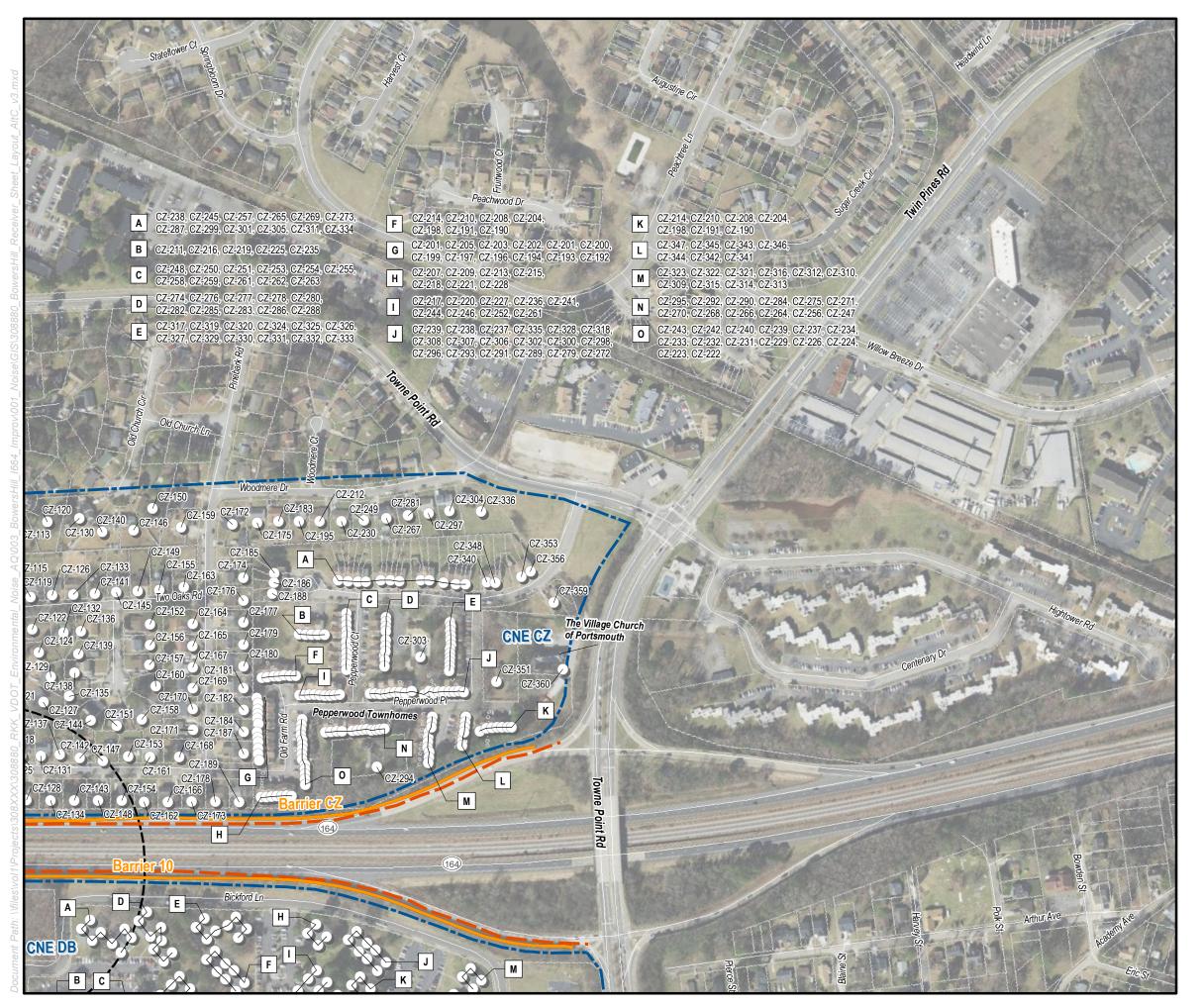
66 dBA Noise Contour





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Churchland Blvd CNE CZ DB-079← ; DB-121, DB-122; ; DB-123, DB-124; DB-088, DB-089; DB-DB-097, DB-098; DB-В D CNECY Western Branch Blvd CY-090 Old Dominion University ,, CY-223, CY-224; 3, CY-217, CY-218; 1, CY-211, GY-212 , CY-085, CY-086; , CY-147, CY-148; , CY-153, CY-154), CY-040, CY-041; l, CY-092 CY-093; l, CY-099, CY-100; l, CY-076, CY-077; , CY-241, CY-242; , GY-235, CY-236; , GY-229, GY-230 , CY-206; , CY-200; , CY-194; , CY-114, CY-115, , CY-108, CY-109; 1, CY-102, CY-103 -00 , CY-205, . CY-199, . CY-193,



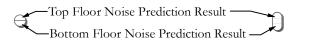


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

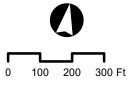
Existing Barrier to Remain

Existing Barrier to be Replaced

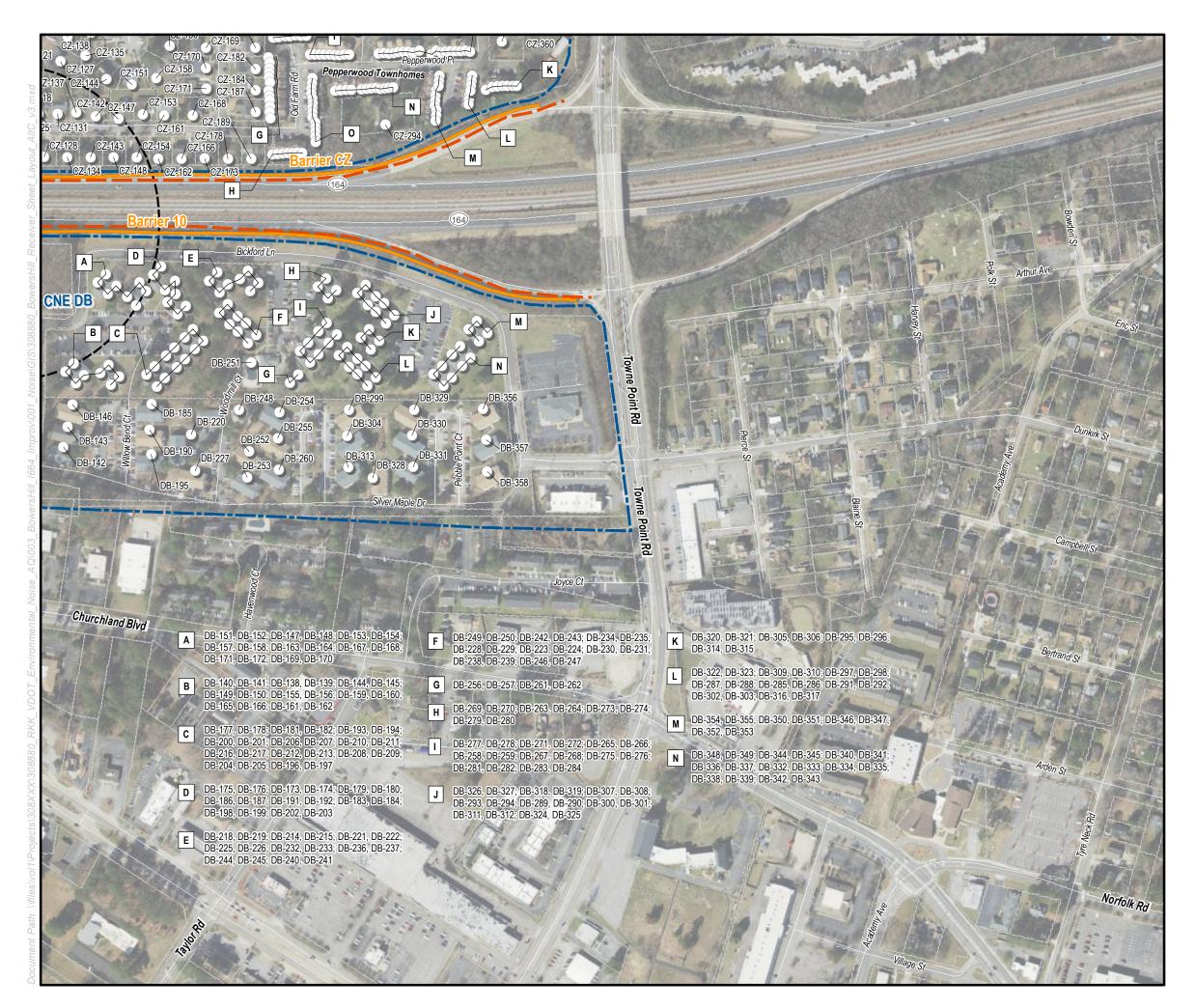
CNE Boundary
500' Noise Study Area

66 dBA Noise Contour









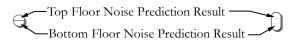


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
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- Benefited but Not Impacted
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- Potential Acquisition
- Not impacted, benefit not determined

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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

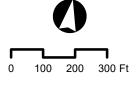
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

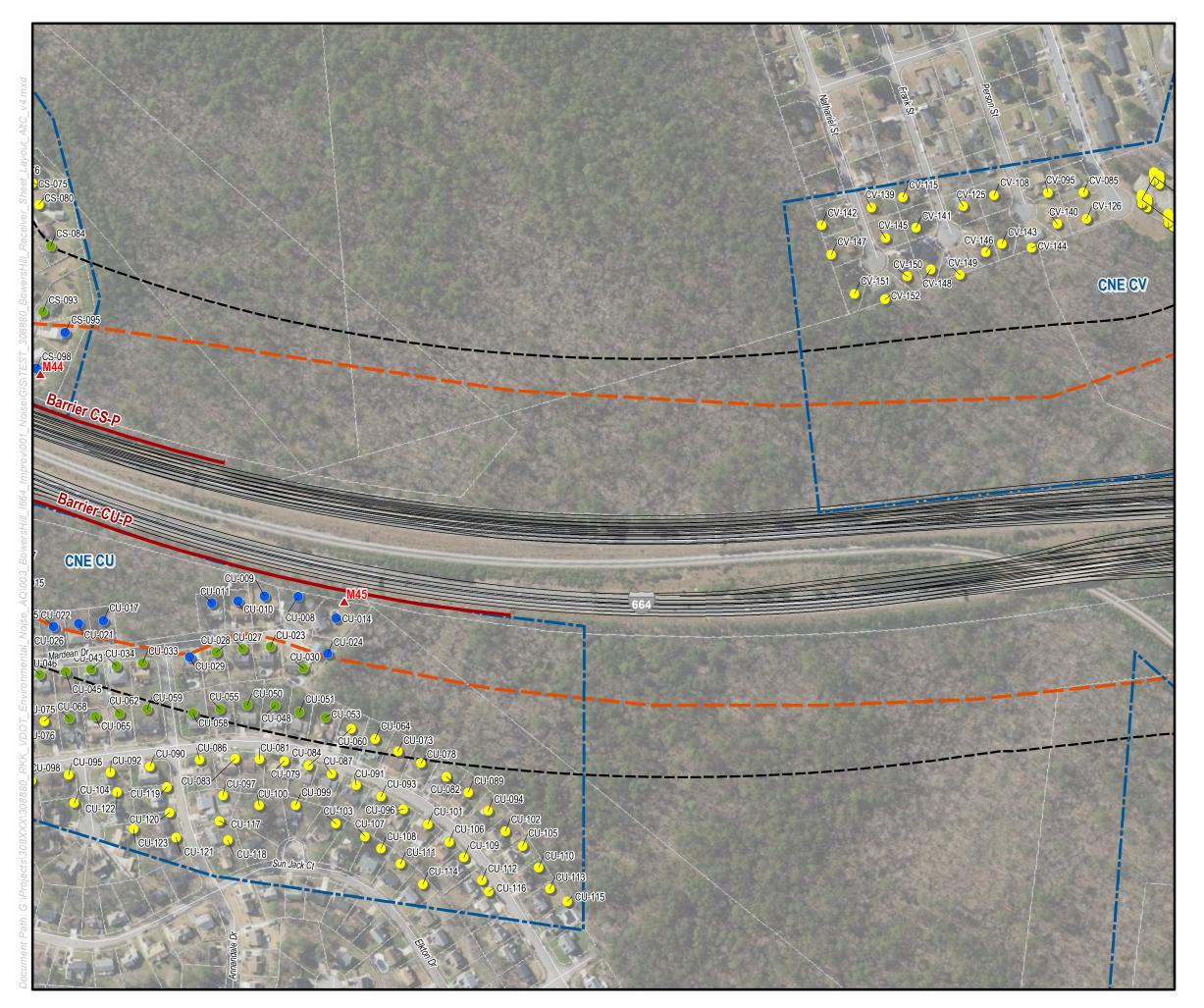
66 dBA Noise Contour







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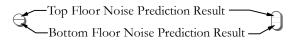


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

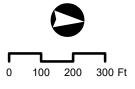
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour







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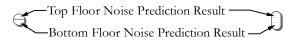


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

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- Impacted and 7 dBA or more Insertion Loss
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Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



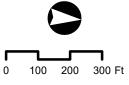
Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

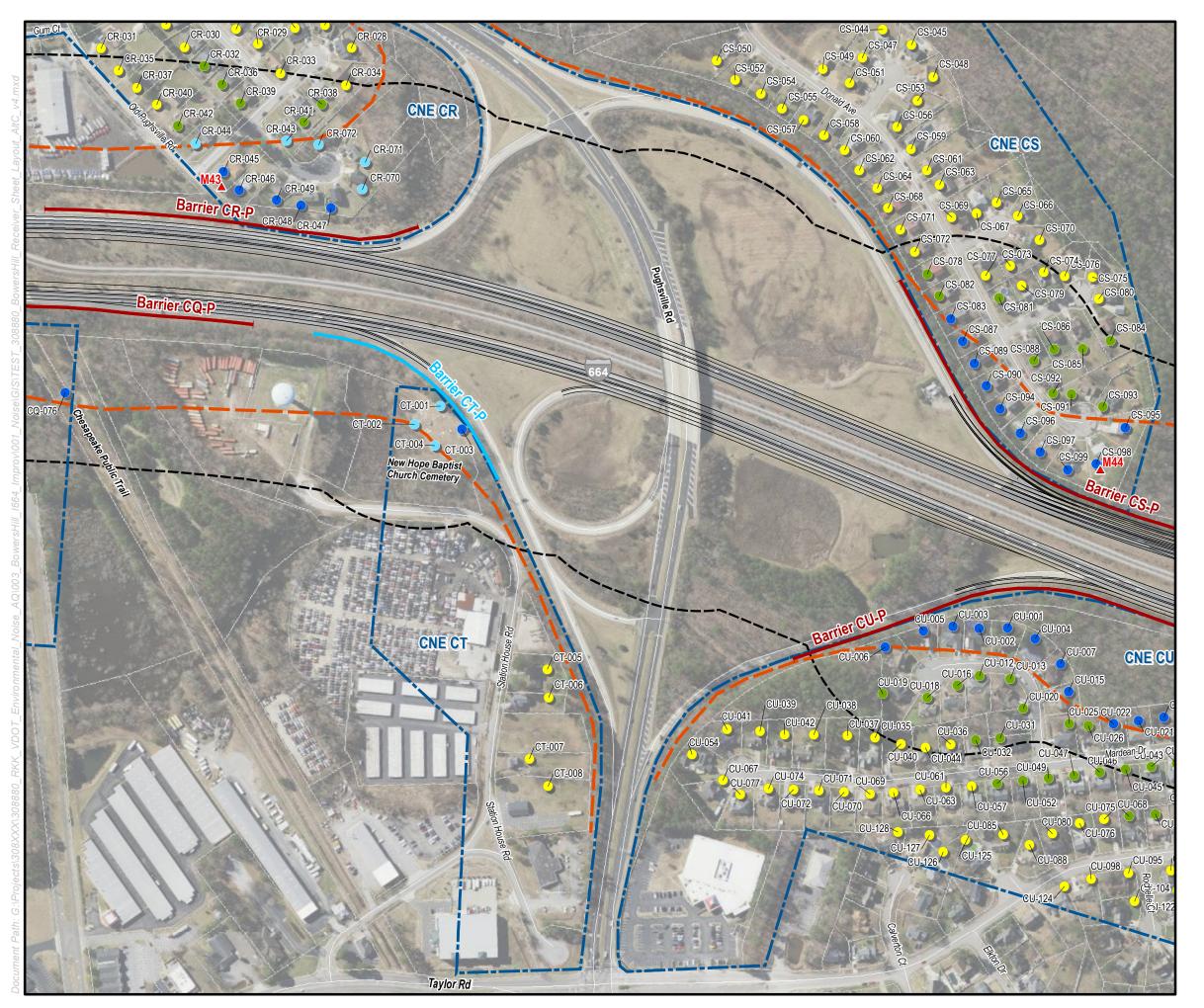
- Feasible and Reasonable
- Feasible and Not Reasonable
- Not Feasible
- Existing Barrier to Remain
- Existing Barrier to be Replaced
- CNE Boundary
- 500' Noise Study Area
 - 66 dBA Noise Contour







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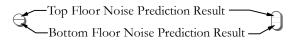


Bowers Hill Interchange Improvement Study Alternative C

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Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



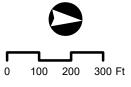
Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

- Feasible and Reasonable
 - Feasible and Not Reasonable
- Not Feasible
- Existing Barrier to Remain
 - Existing Barrier to be Replaced
- CNE Boundary
 - 500' Noise Study Area
 - 66 dBA Noise Contour









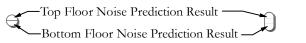


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

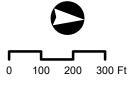
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

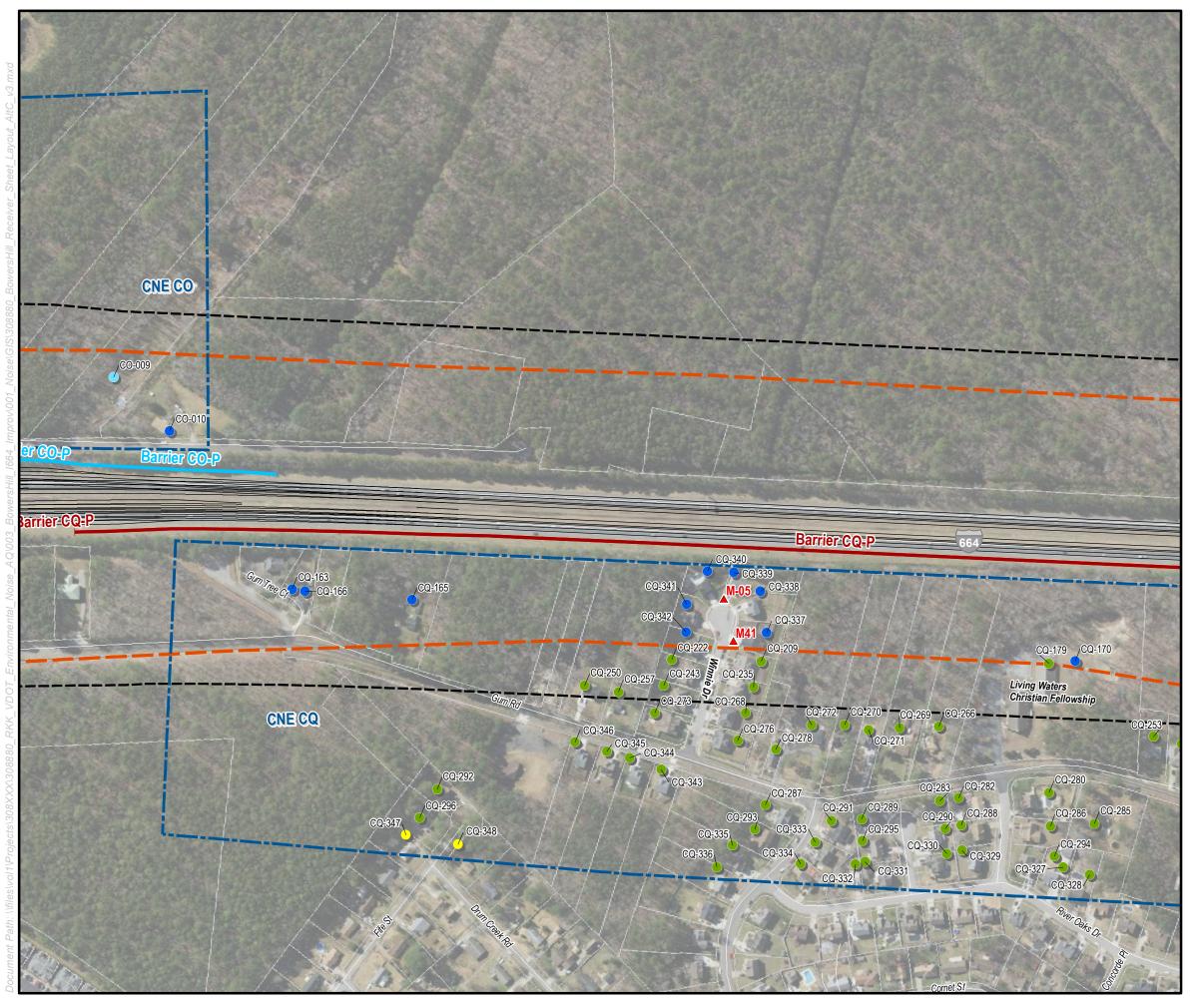
66 dBA Noise Contour







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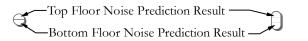


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

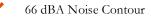
Not Feasible

Existing Barrier to Remain

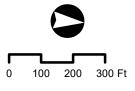
Existing Barrier to be Replaced

CNE Boundary

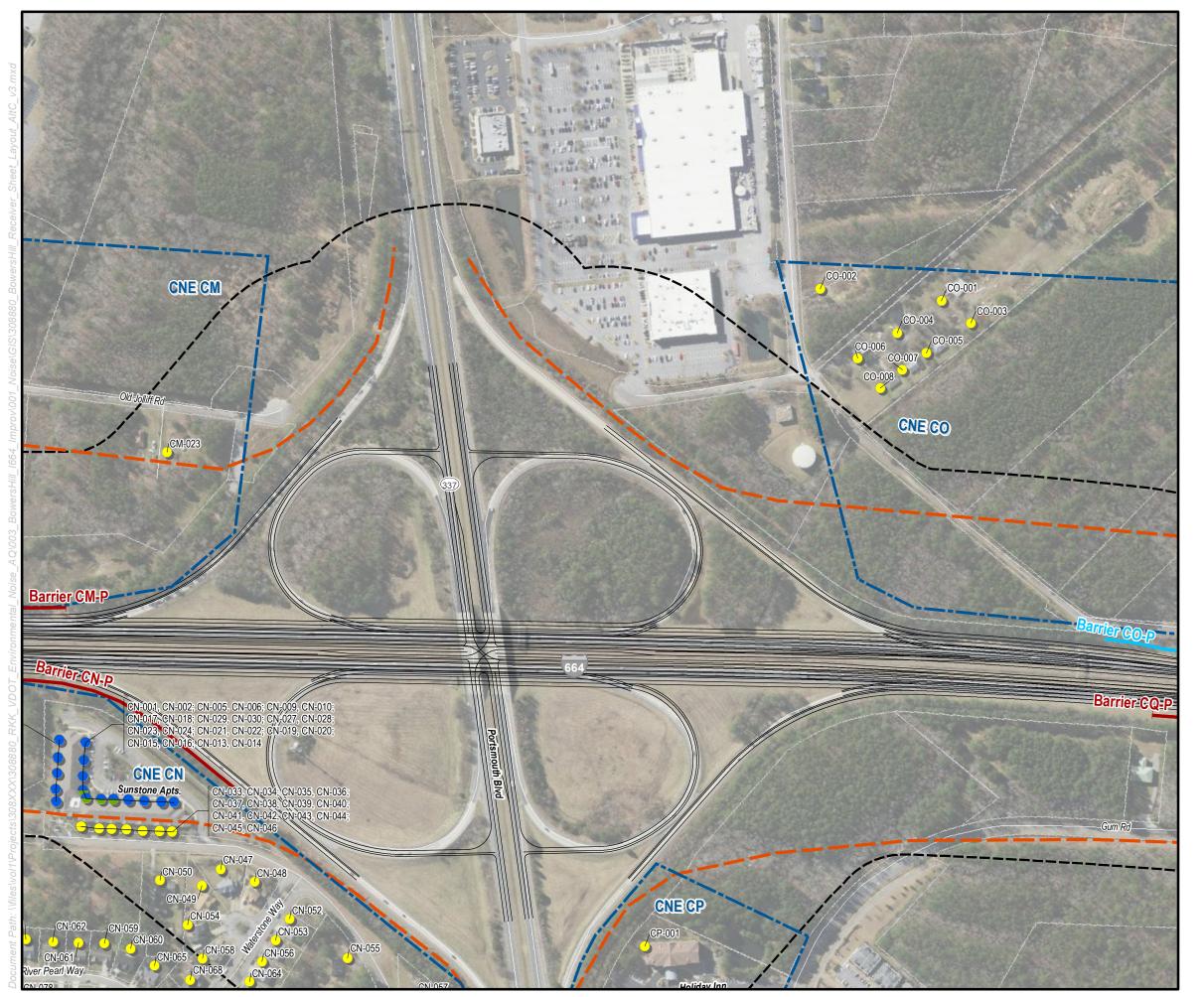
500' Noise Study Area











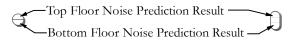


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

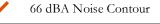
Not Feasible

Existing Barrier to Remain

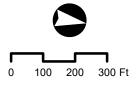
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

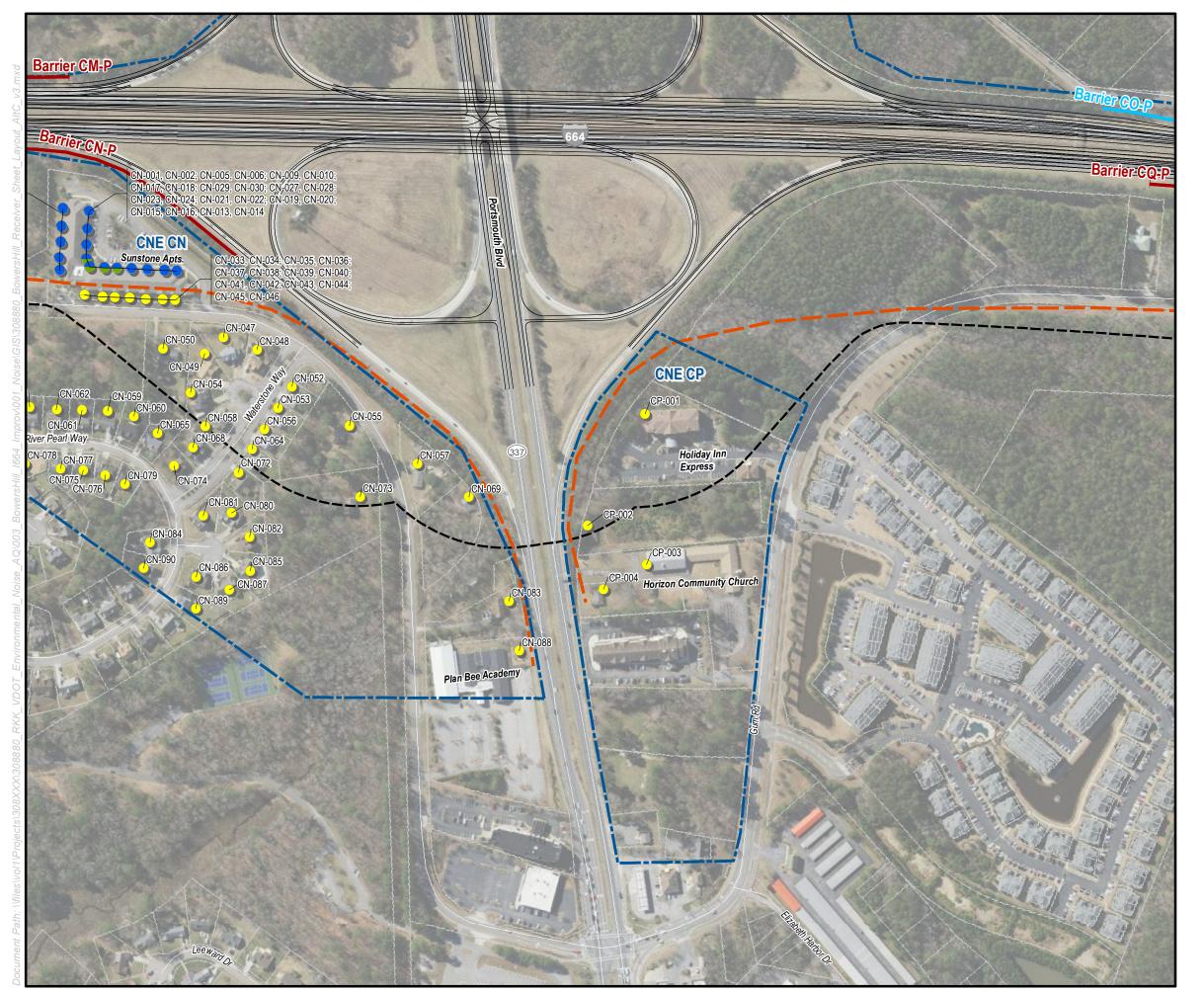








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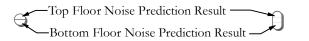


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

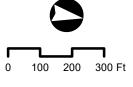
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

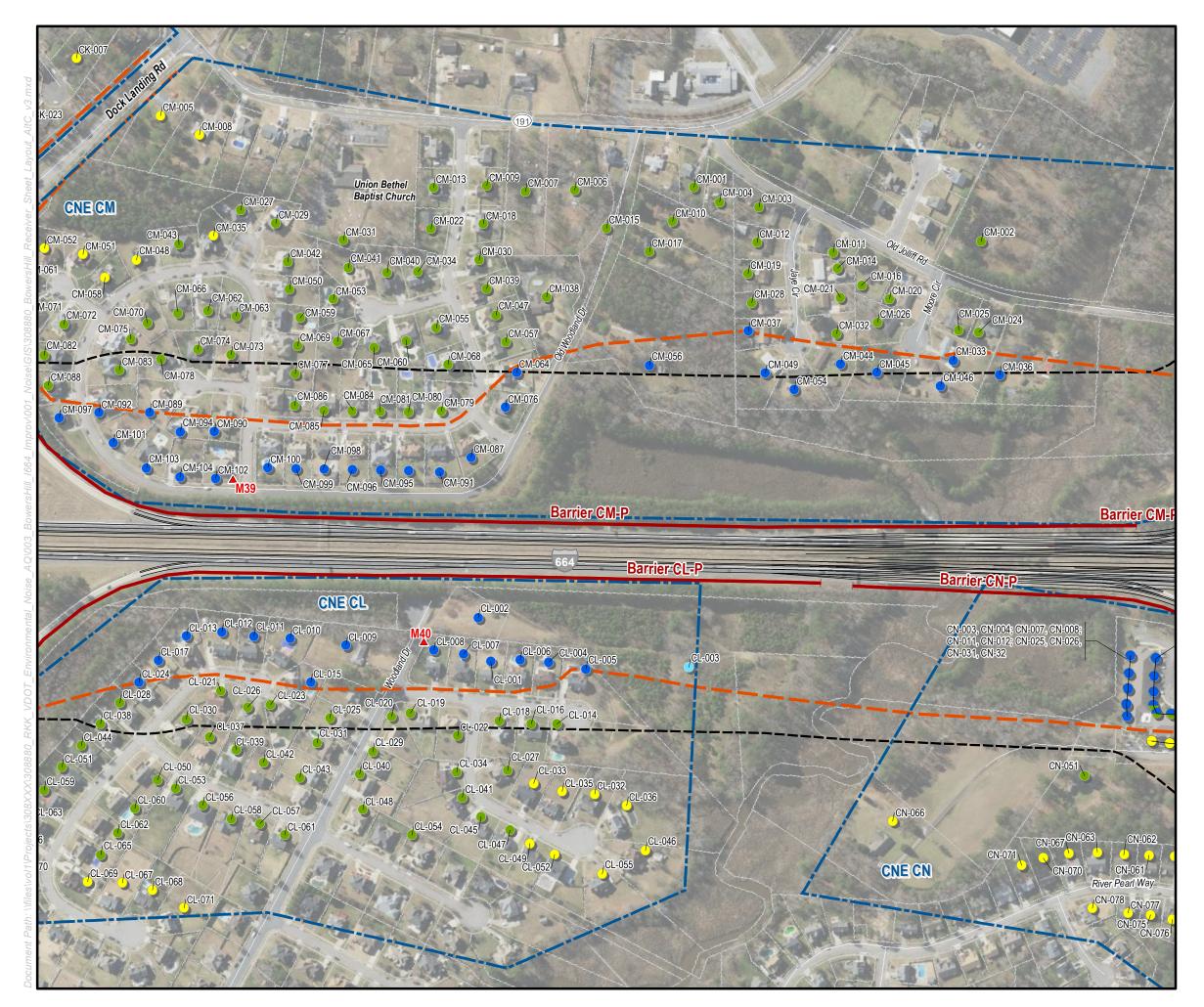
66 dBA Noise Contour







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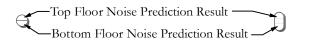


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
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- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

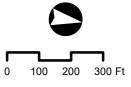
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour









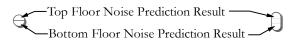


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

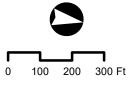
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

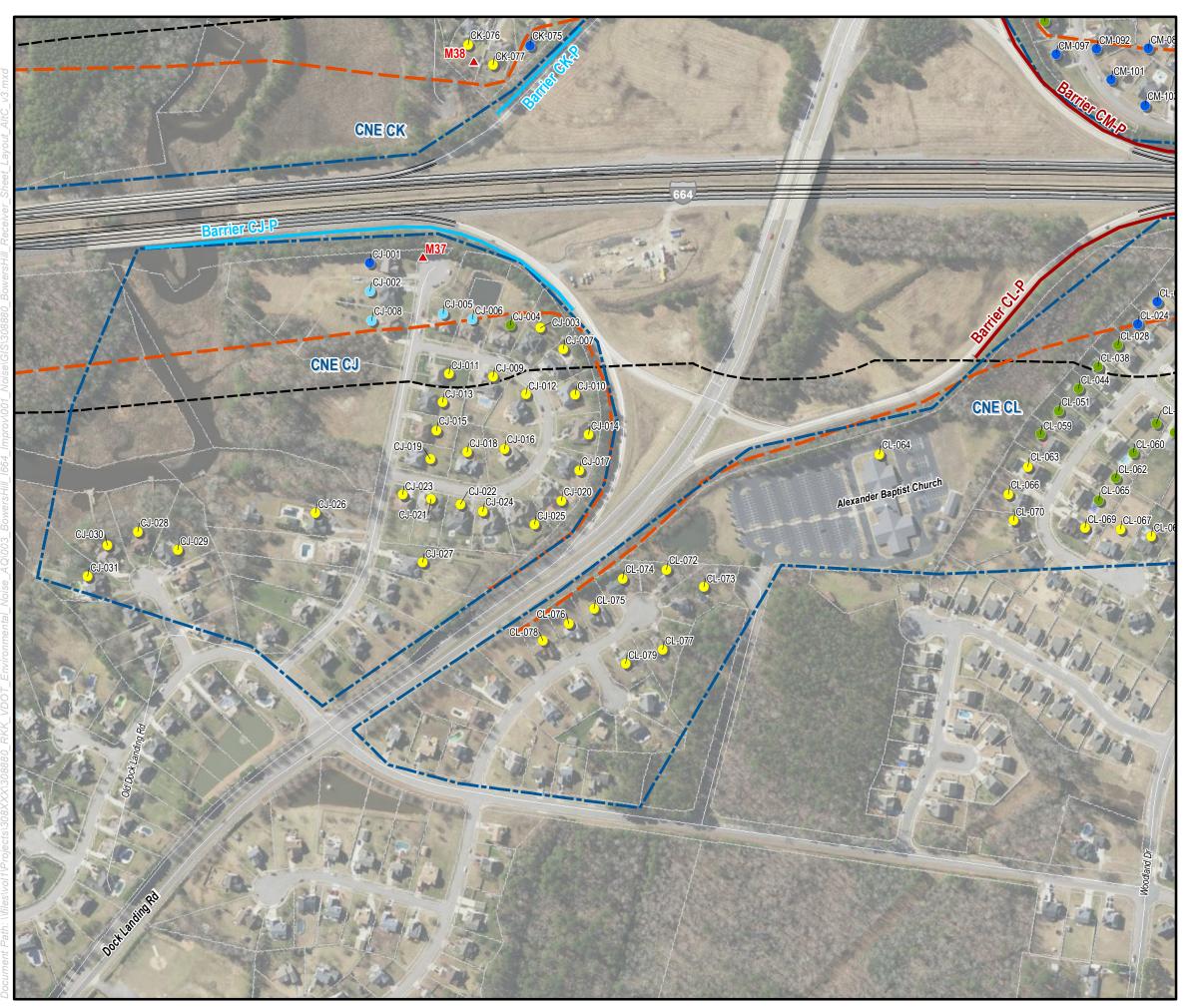
66 dBA Noise Contour







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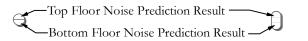


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
 - Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



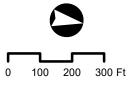
Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

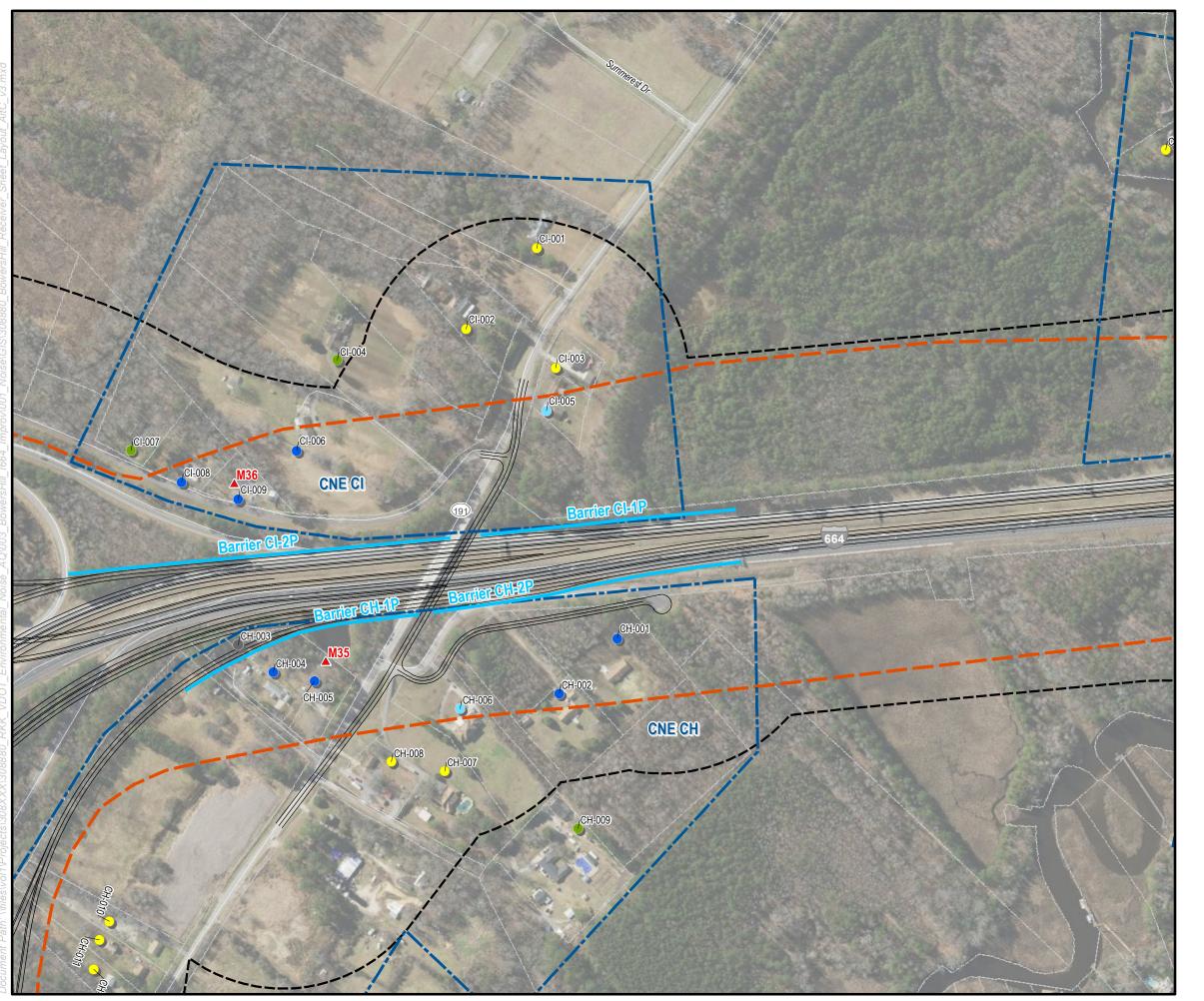
- Feasible and Reasonable
- Feasible and Not Reasonable
- Not Feasible
- Existing Barrier to Remain
- Existing Barrier to be Replaced
- CNE Boundary
 500' Noise Study Area
 - / 66 dBA Noise Contour







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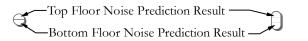


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

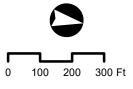
Existing Barrier to Remain
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

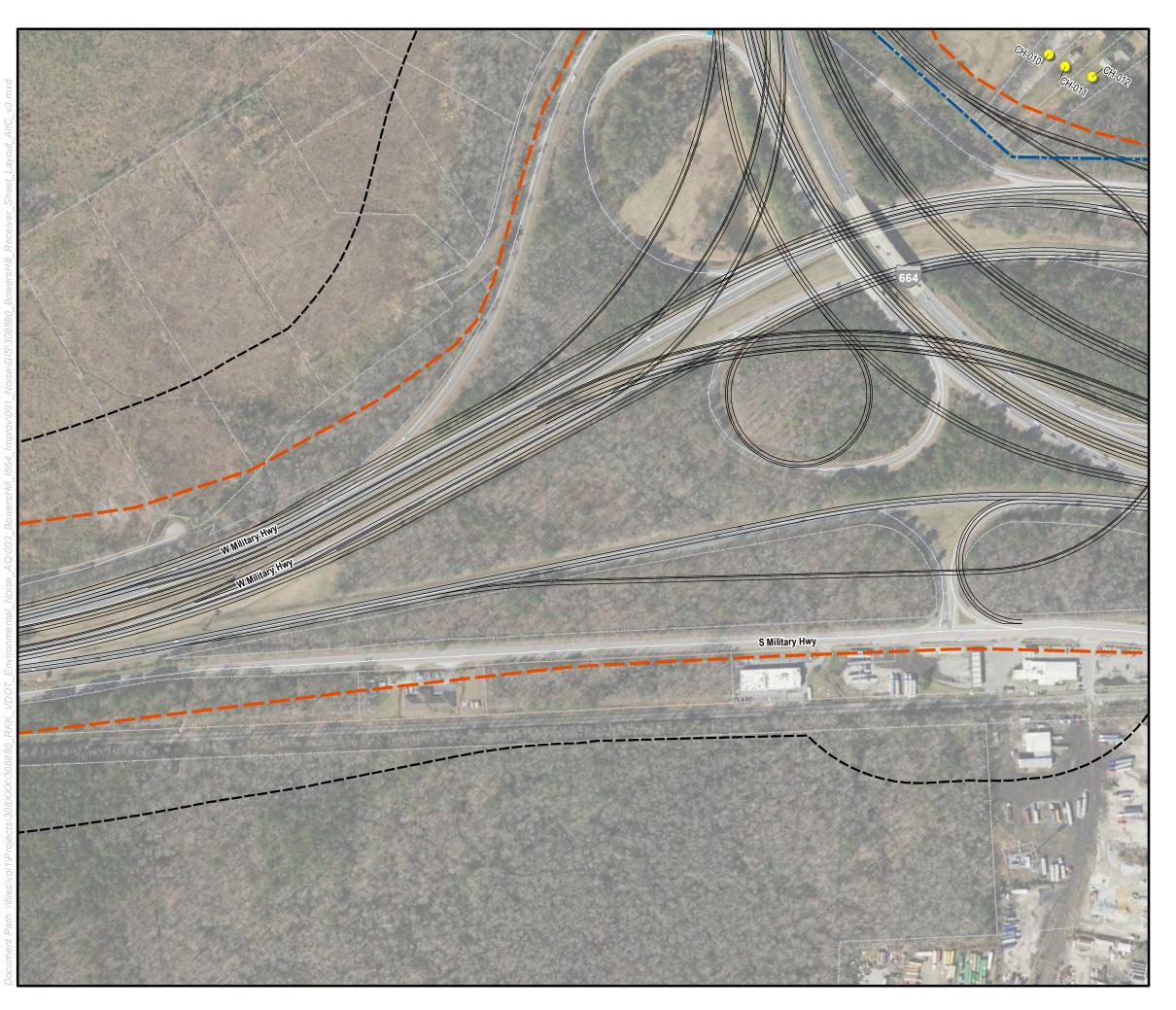
66 dBA Noise Contour







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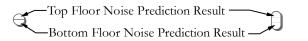


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

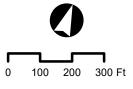
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour







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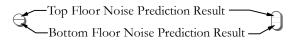


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

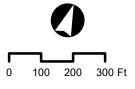
Existing Barrier to Remain
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour







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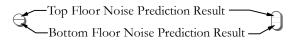


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

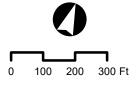
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

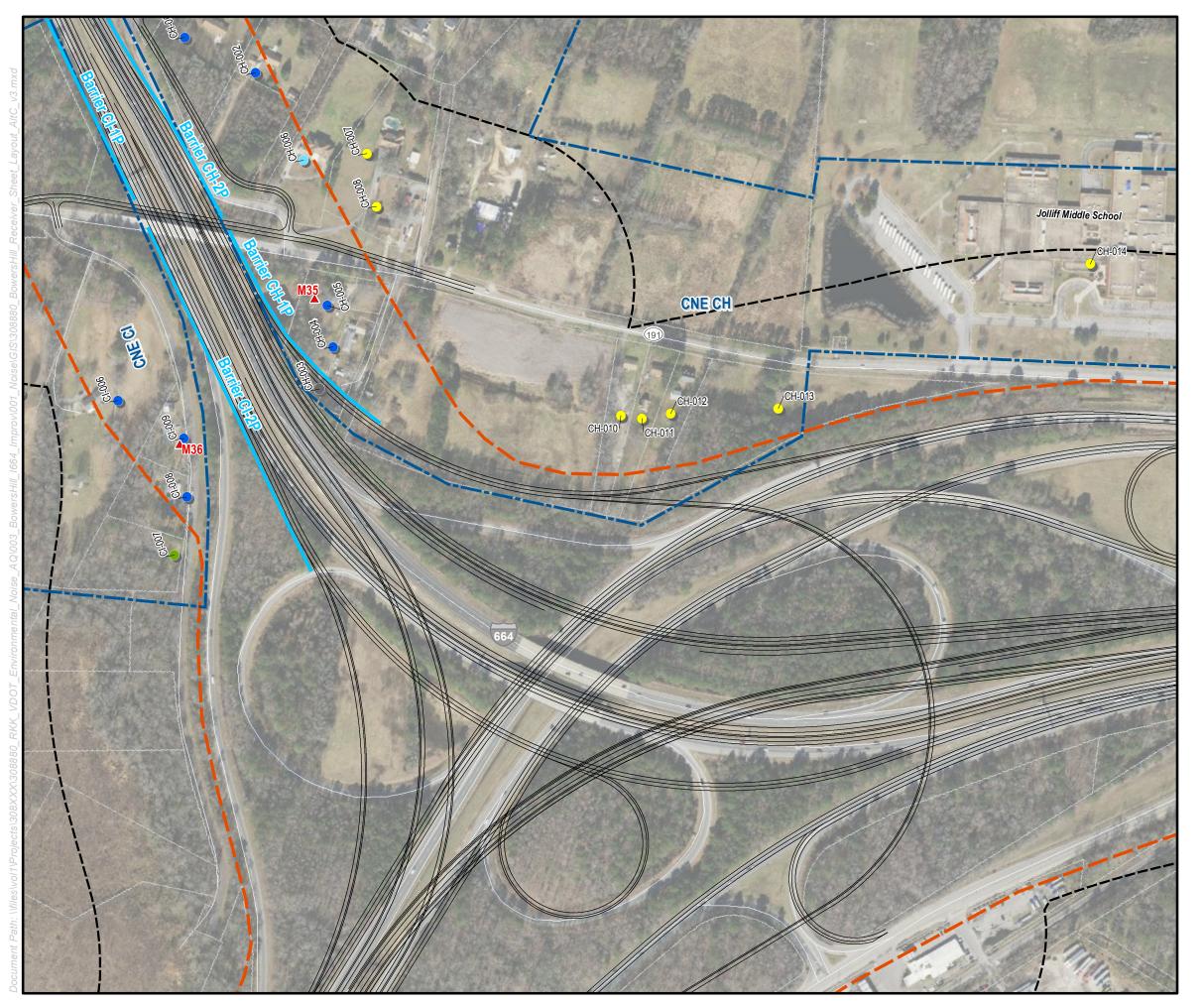








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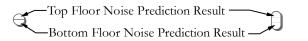


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

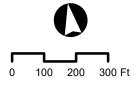
Existing Barrier to Remain

Existing Barrier to be Replaced

CNE Boundary

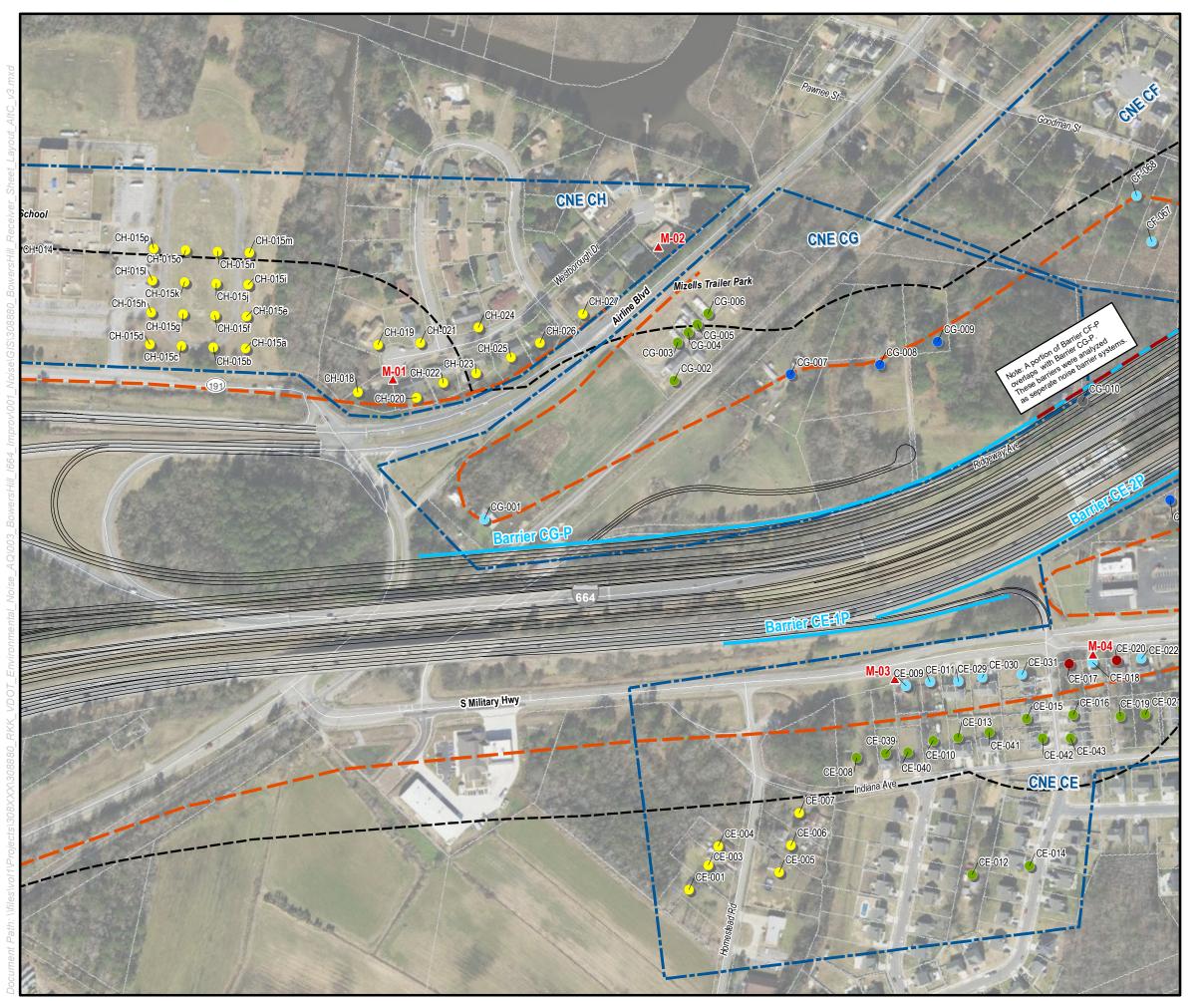
500' Noise Study Area 66 dBA Noise Contour







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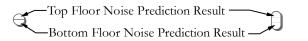


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

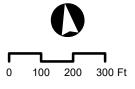
Existing Barrier to Remain

Existing Barrier to be Replaced

CNE Boundary
500' Noise Study Area

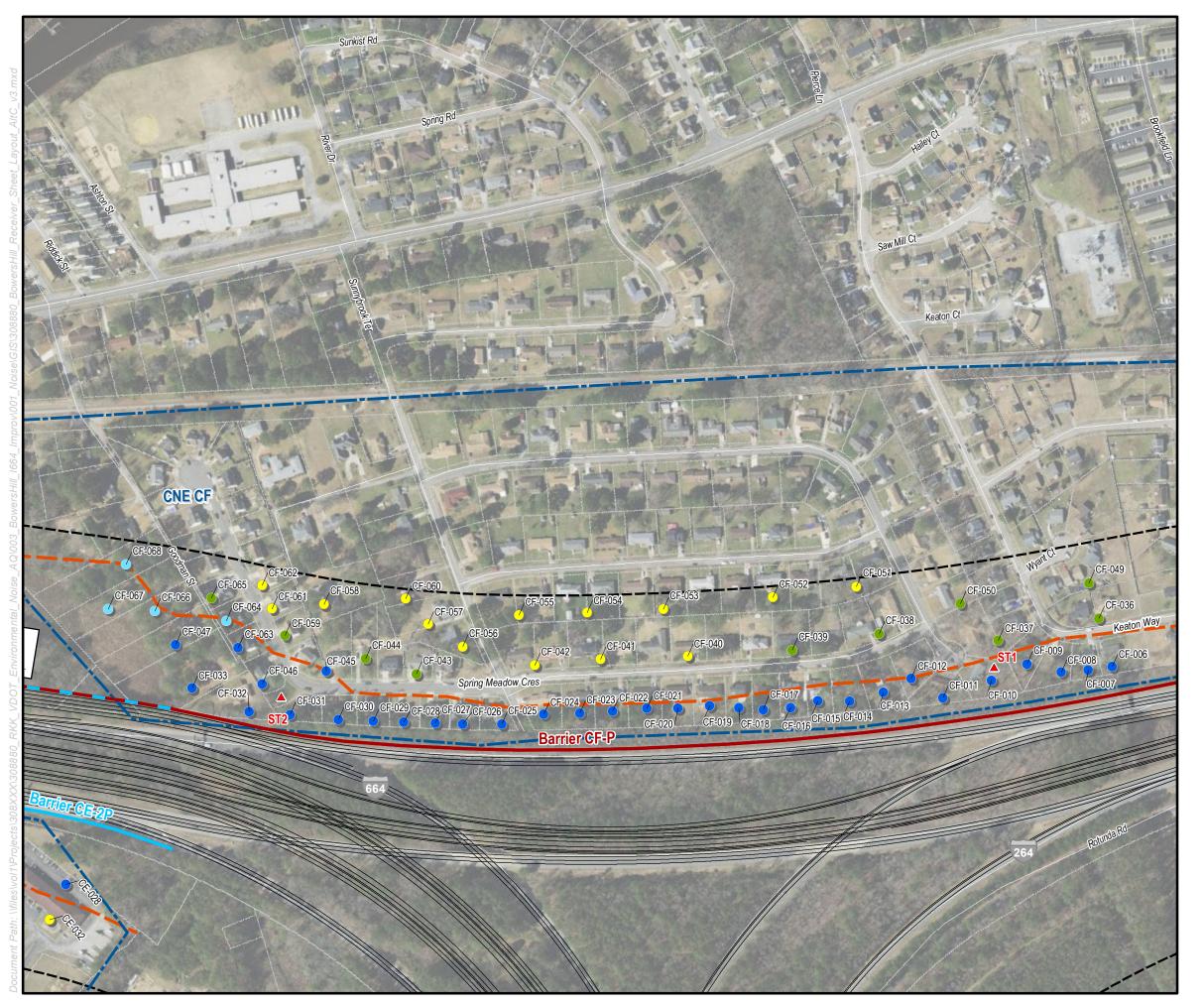
66 dBA Noise Contour







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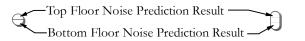


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

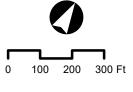
Existing Barrier to Remain
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour







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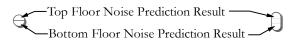


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

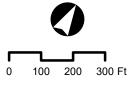
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour







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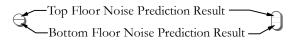


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

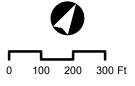
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

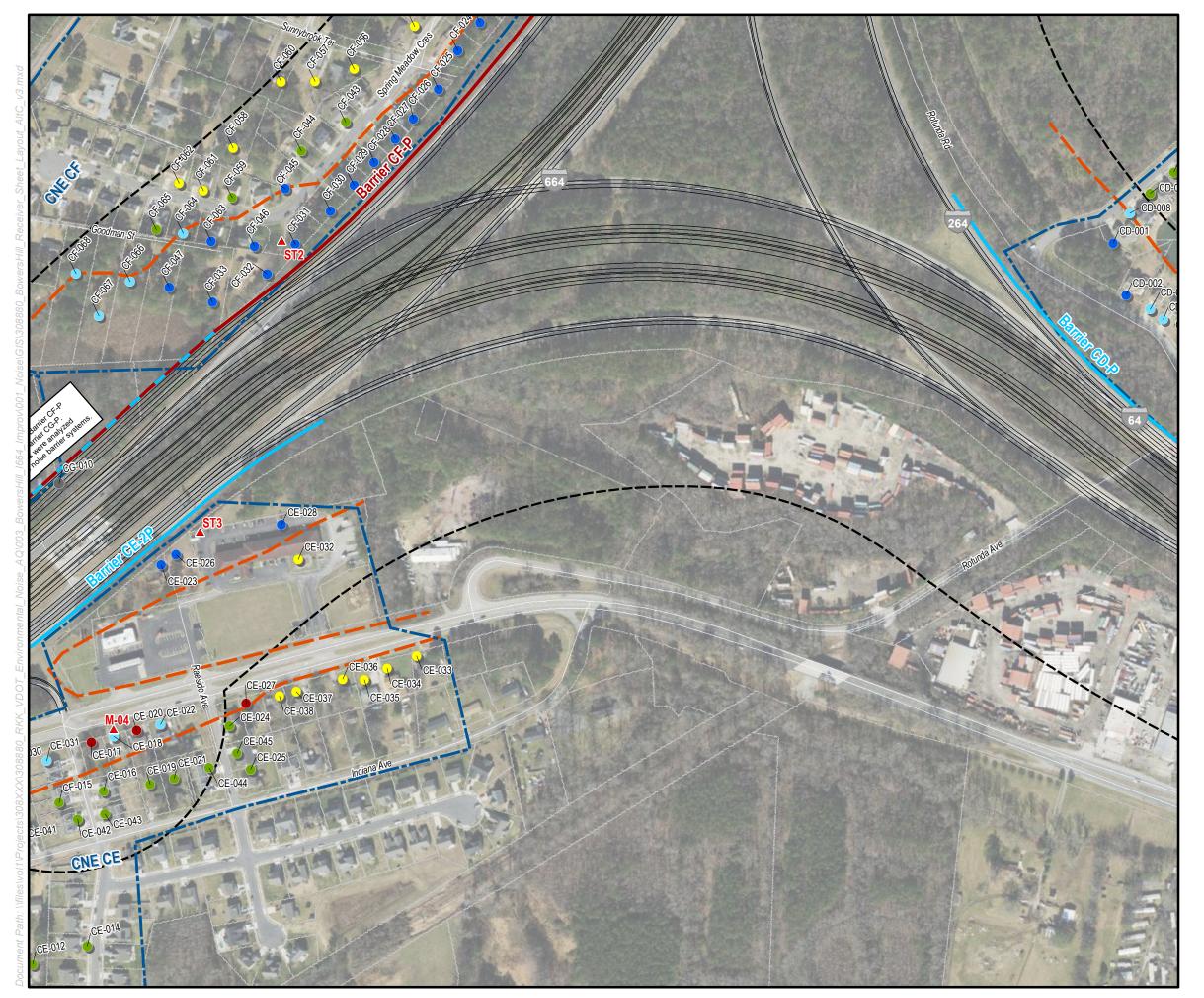
66 dBA Noise Contour







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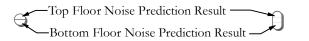


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

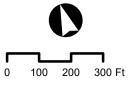
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

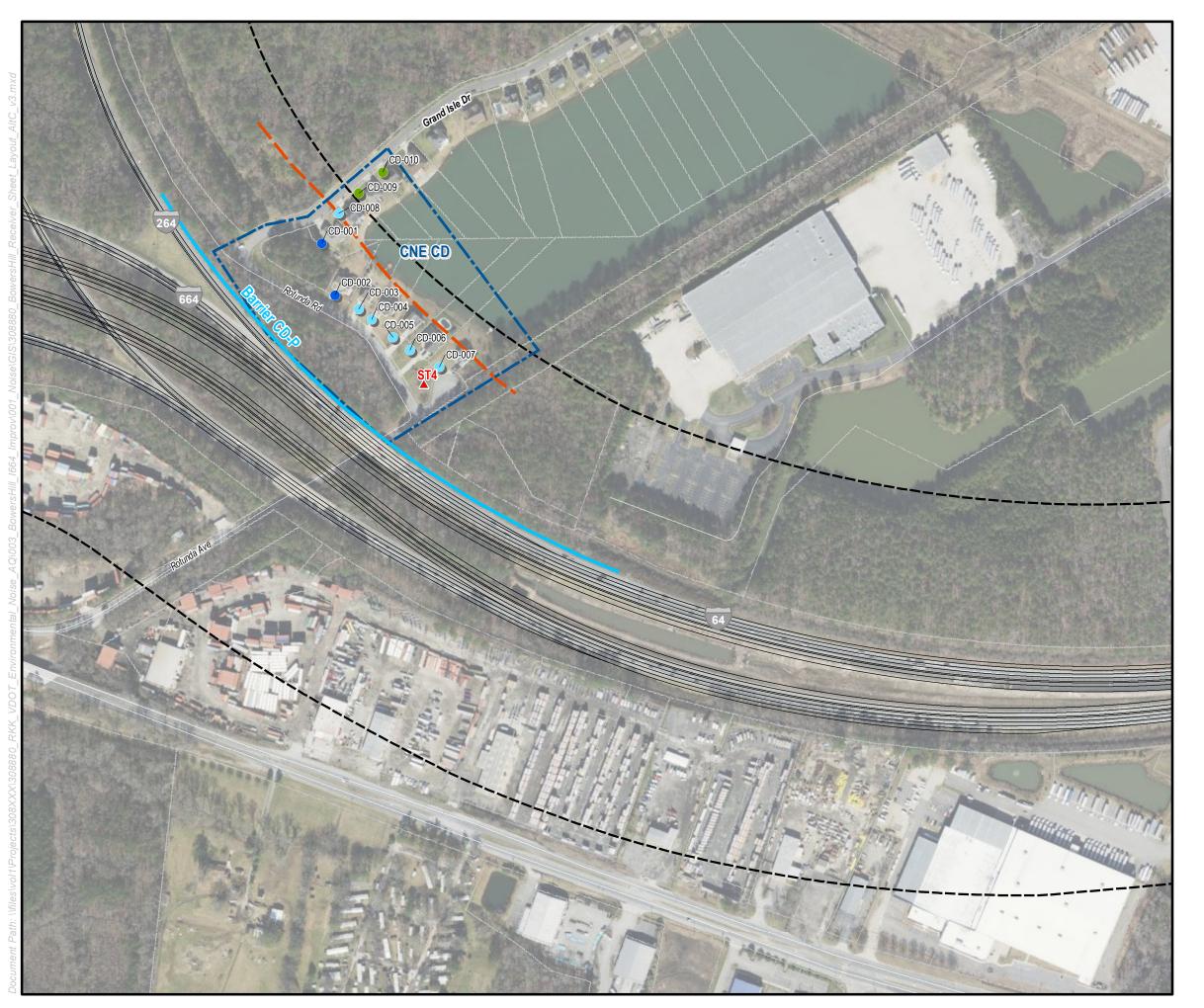
66 dBA Noise Contour







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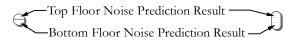


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

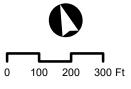
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

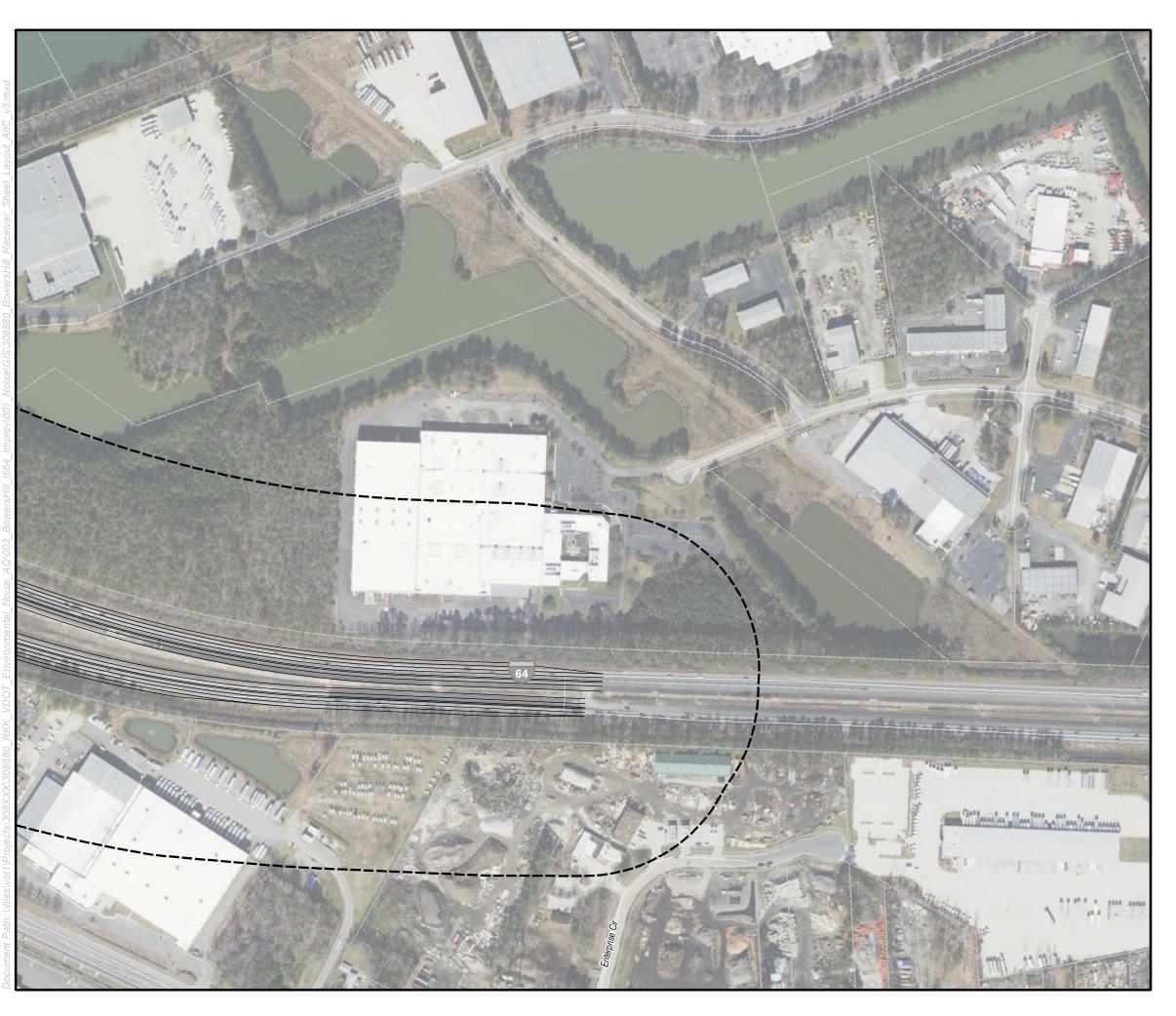
66 dBA Noise Contour







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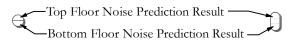


Bowers Hill Interchange Improvement Study Alternative C

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

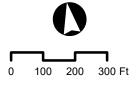
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

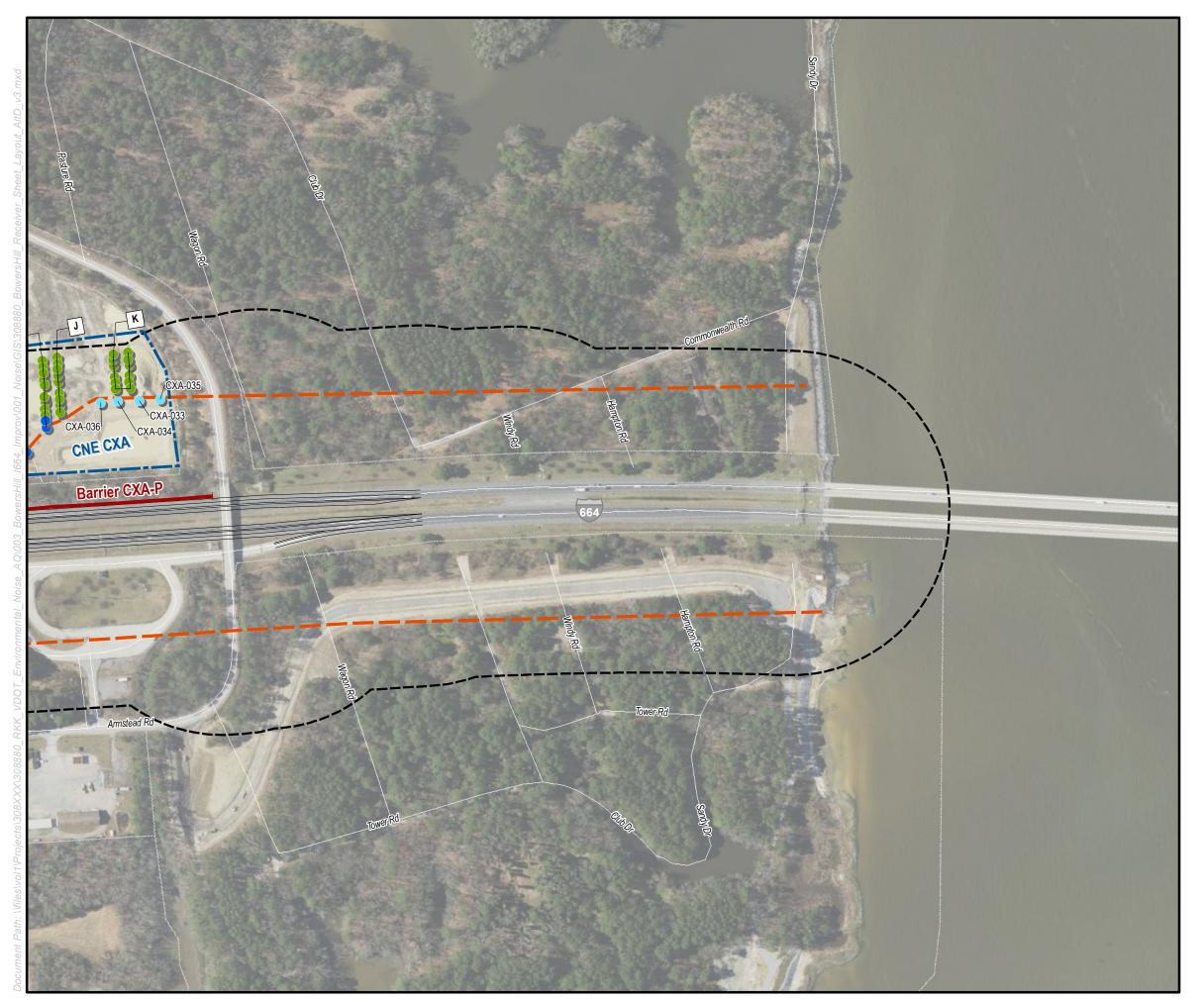
66 dBA Noise Contour







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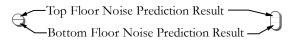


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

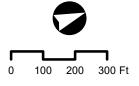
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

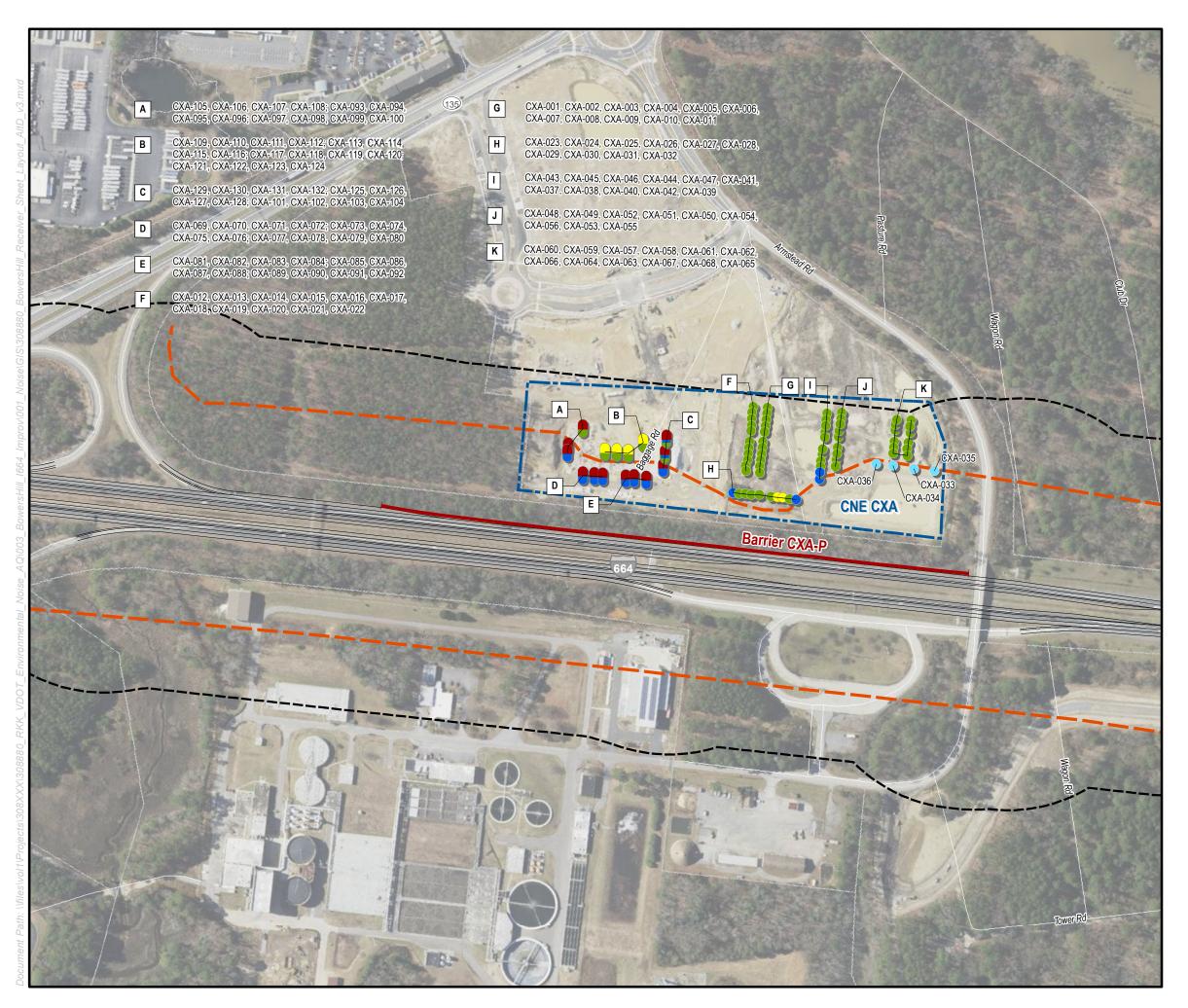
66 dBA Noise Contour







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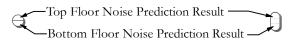


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

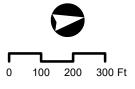
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

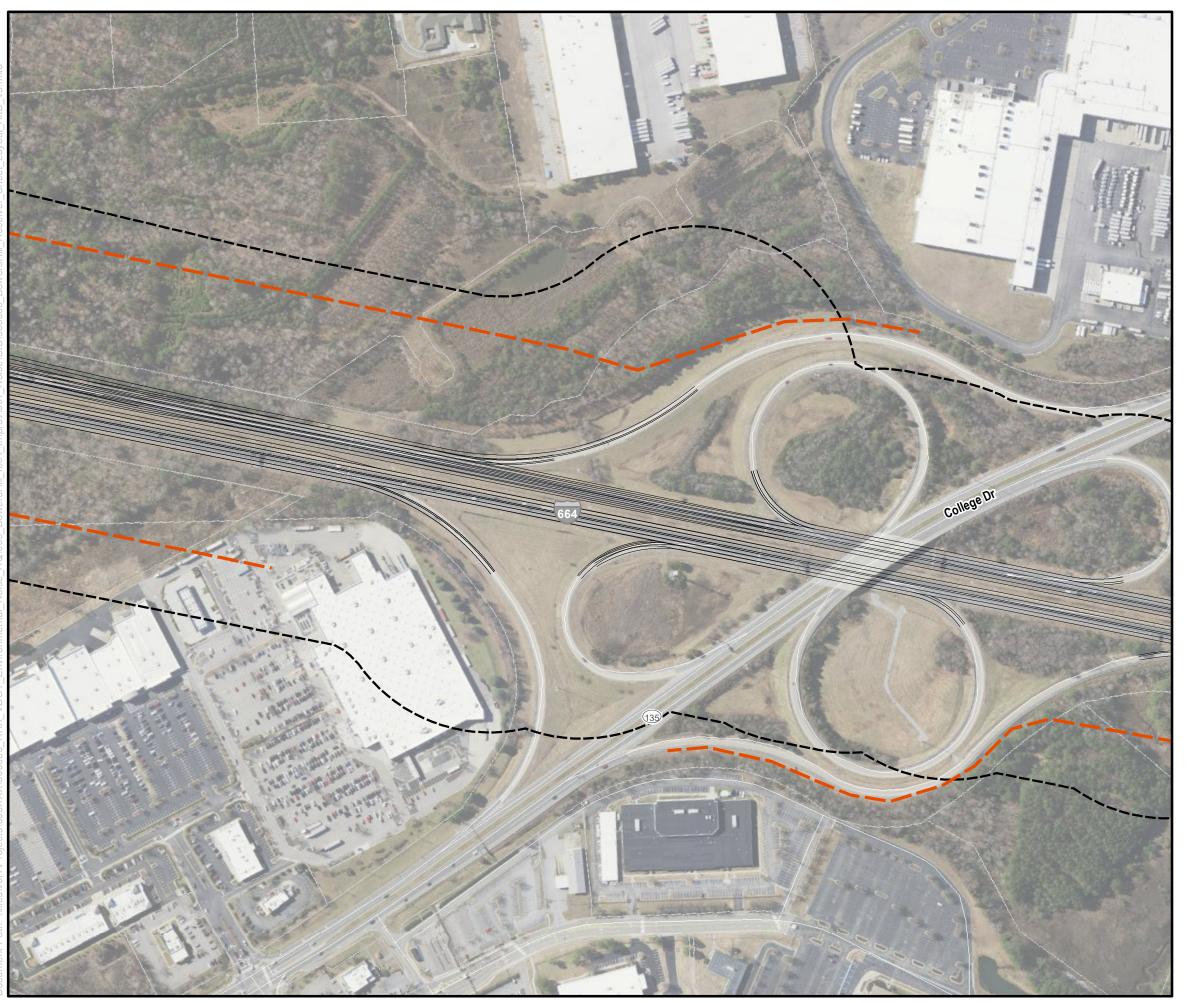
66 dBA Noise Contour







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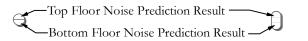


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

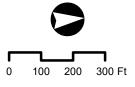
Existing Barrier to Remain

Existing Barrier to be Replaced

CNE Boundary

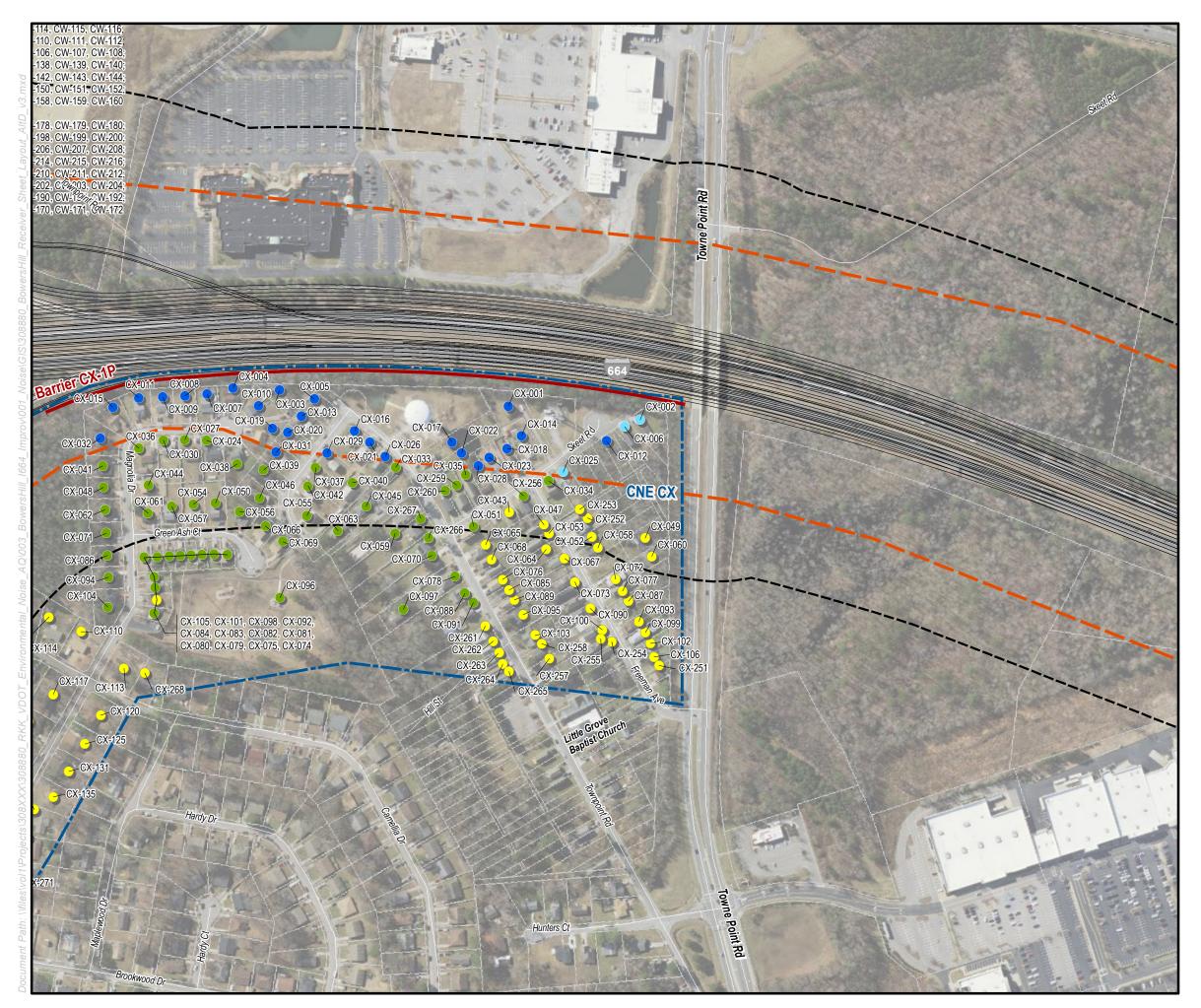
500' Noise Study Area 66 dBA Noise Contour







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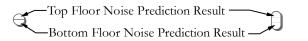


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

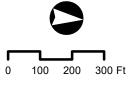
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

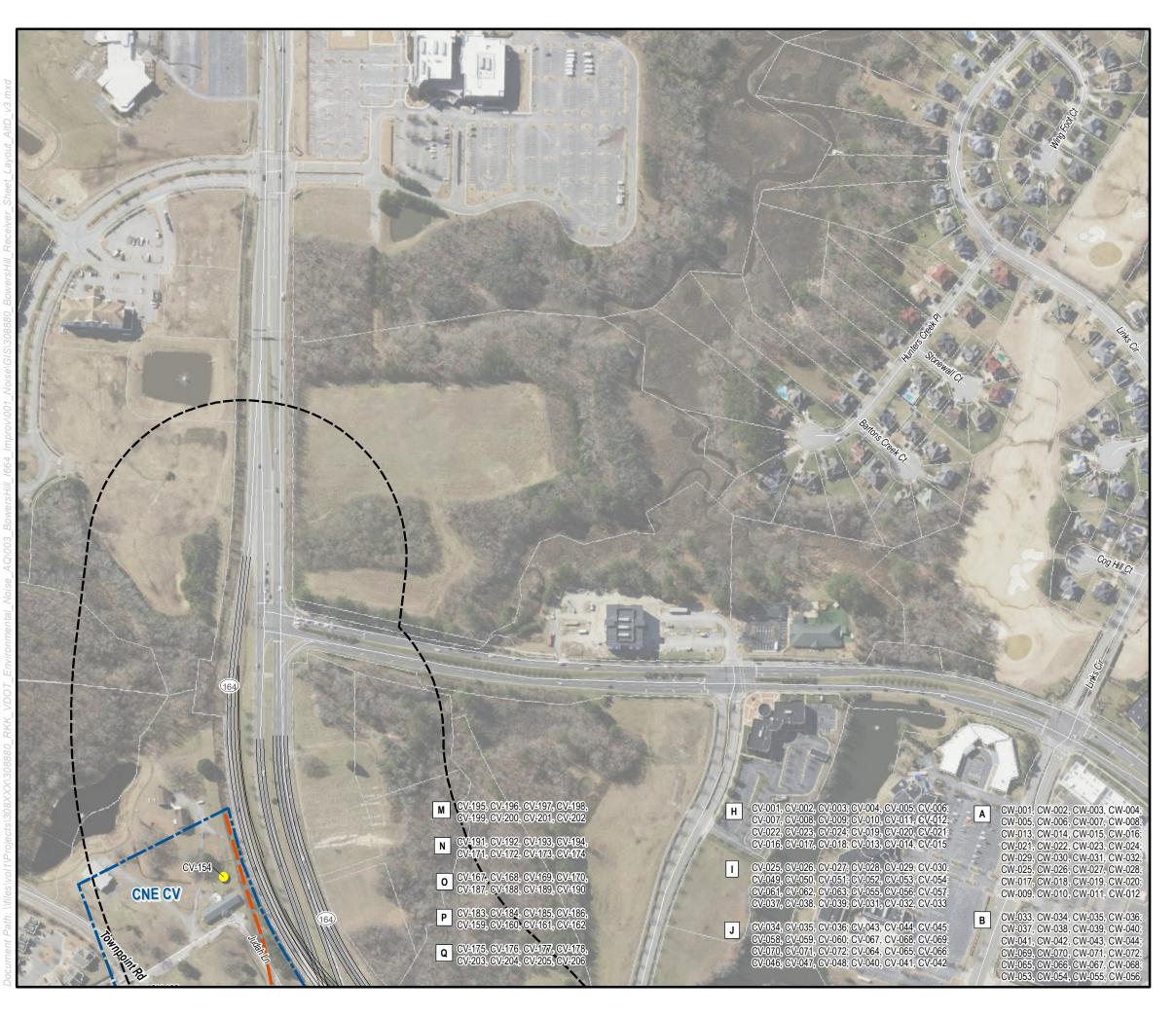
66 dBA Noise Contour







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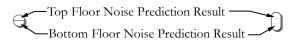


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

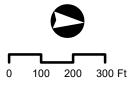
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

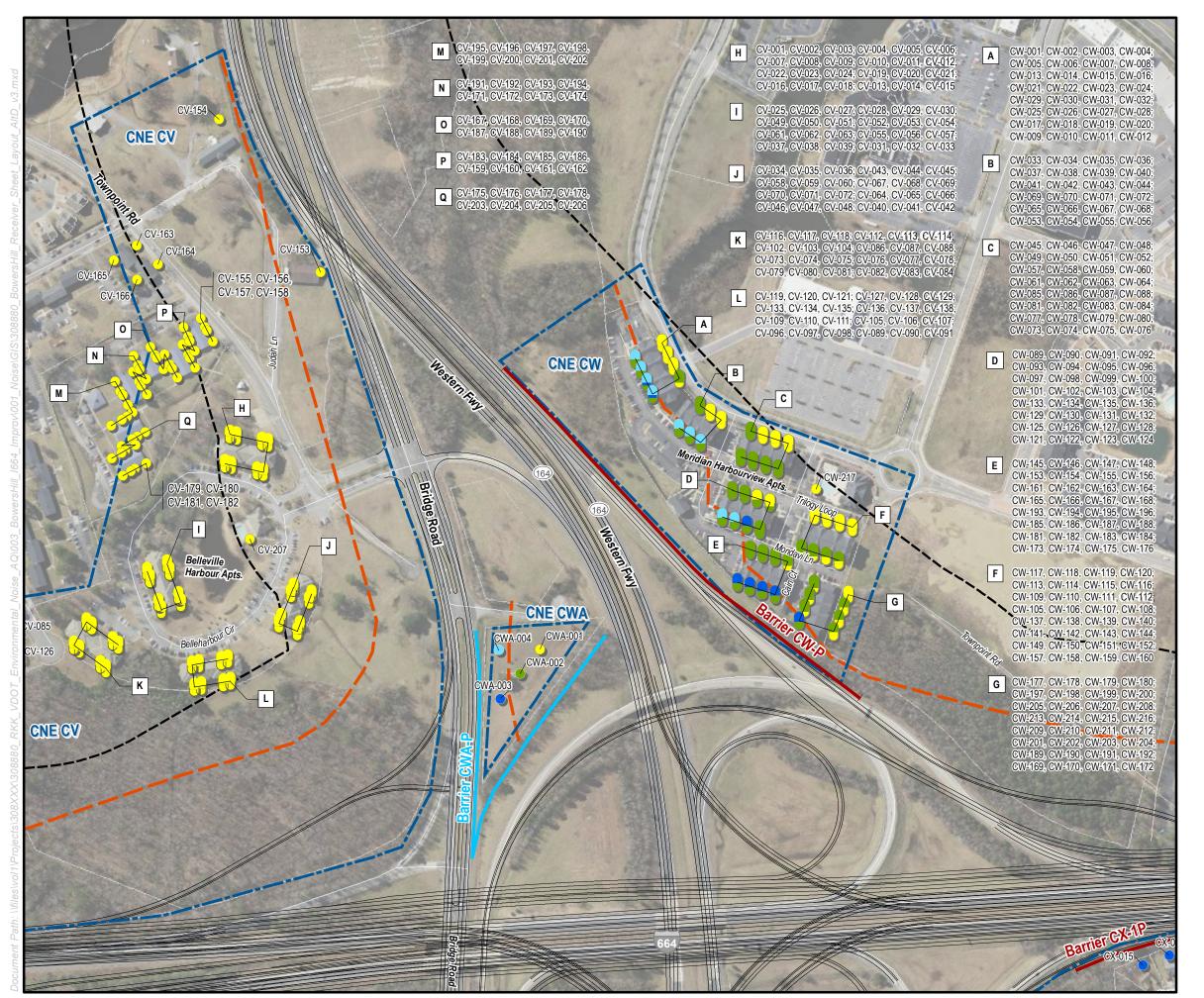
66 dBA Noise Contour







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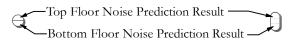


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

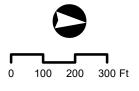
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

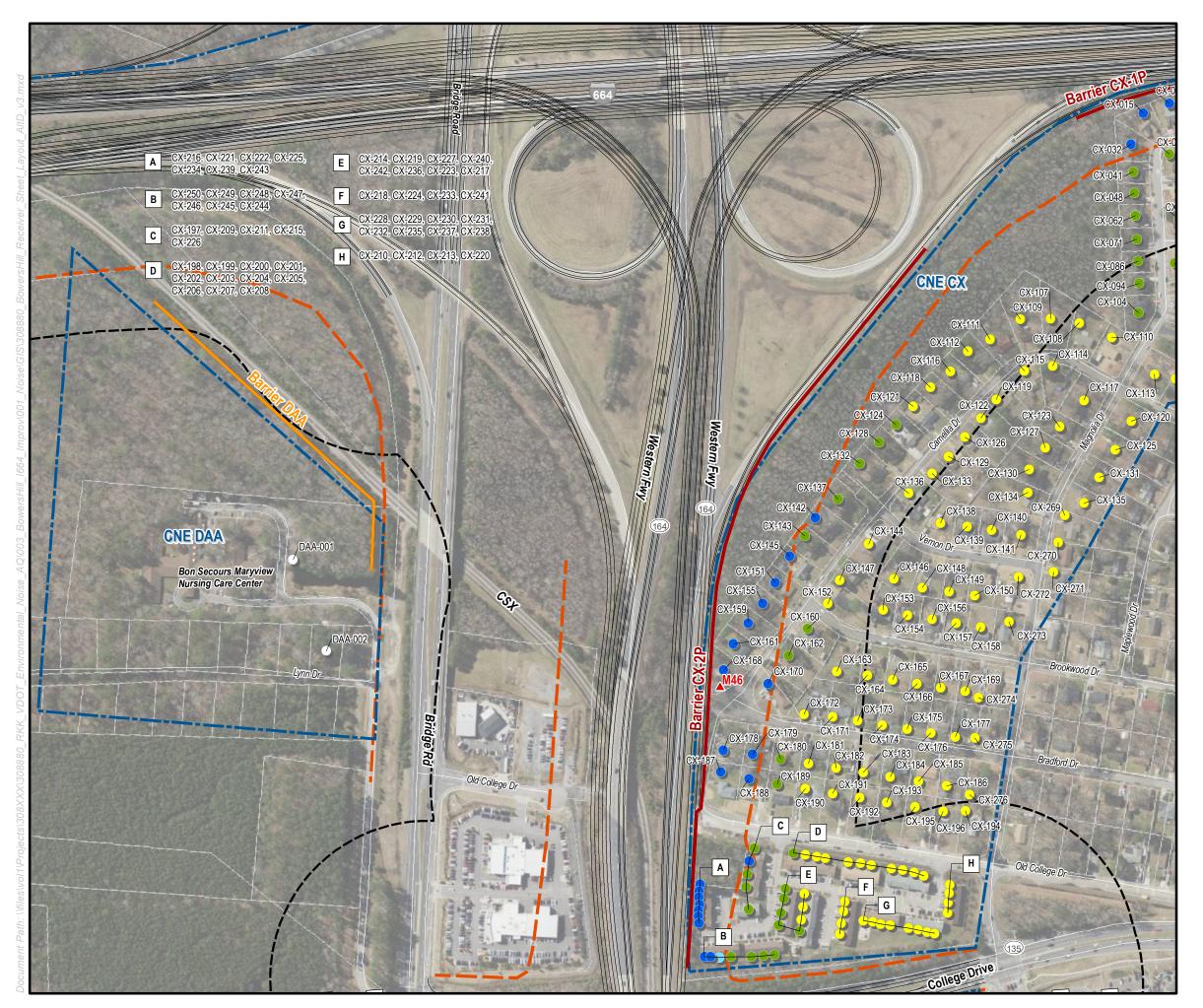
66 dBA Noise Contour







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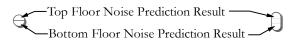


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

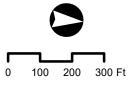
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

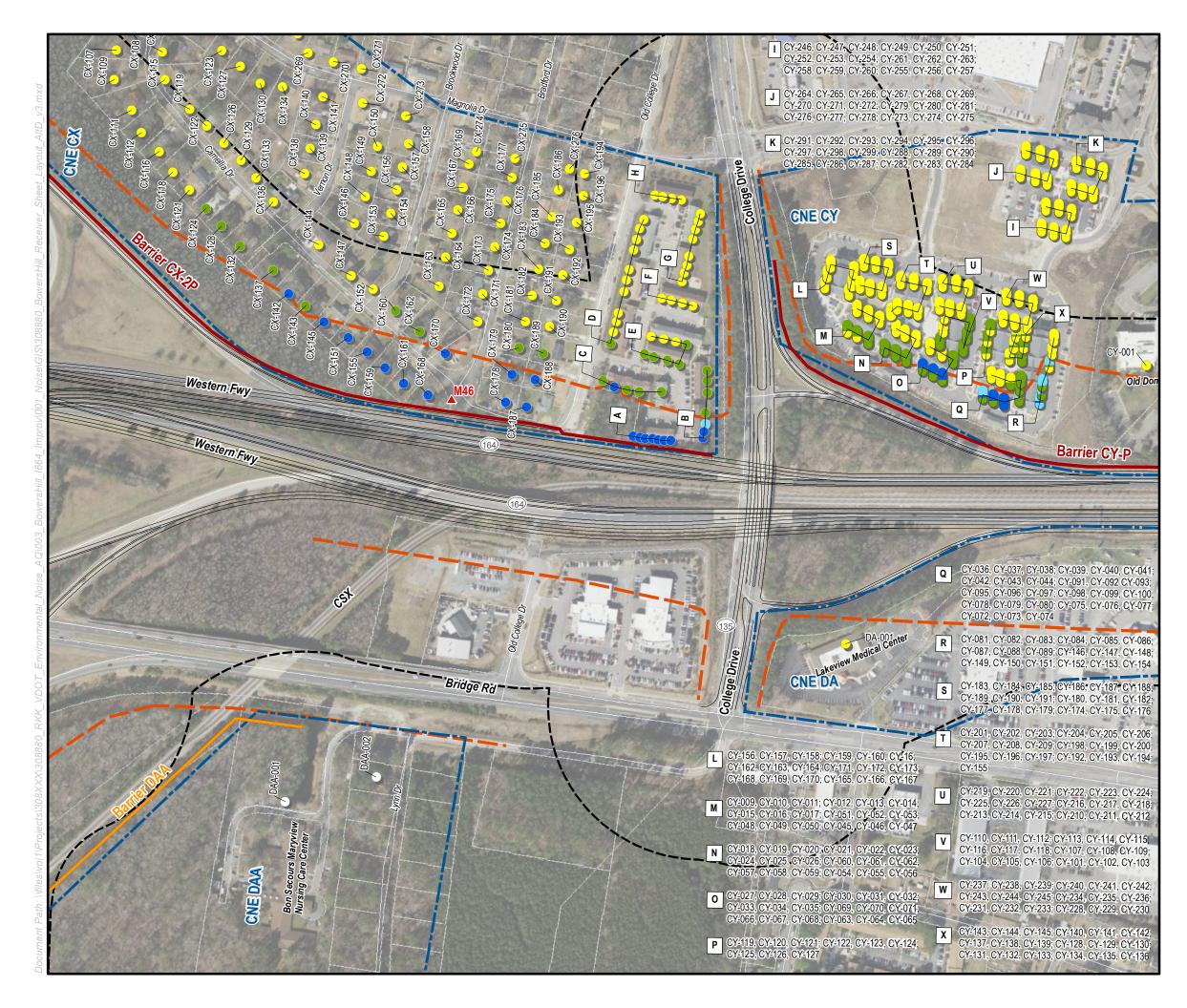
66 dBA Noise Contour







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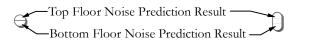


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
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Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

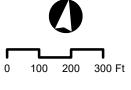
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

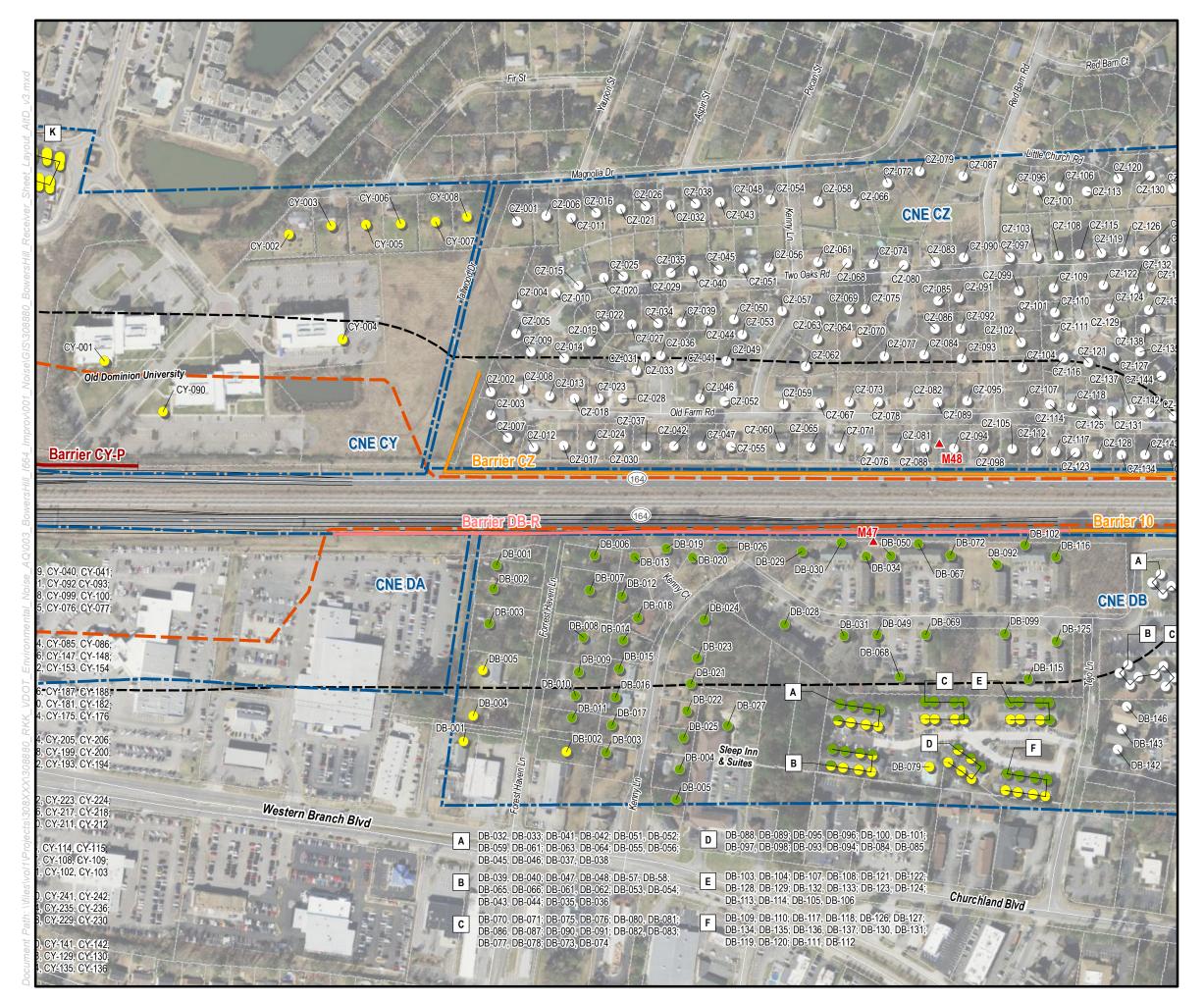
66 dBA Noise Contour







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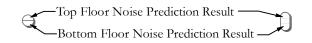


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

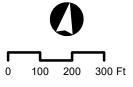
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

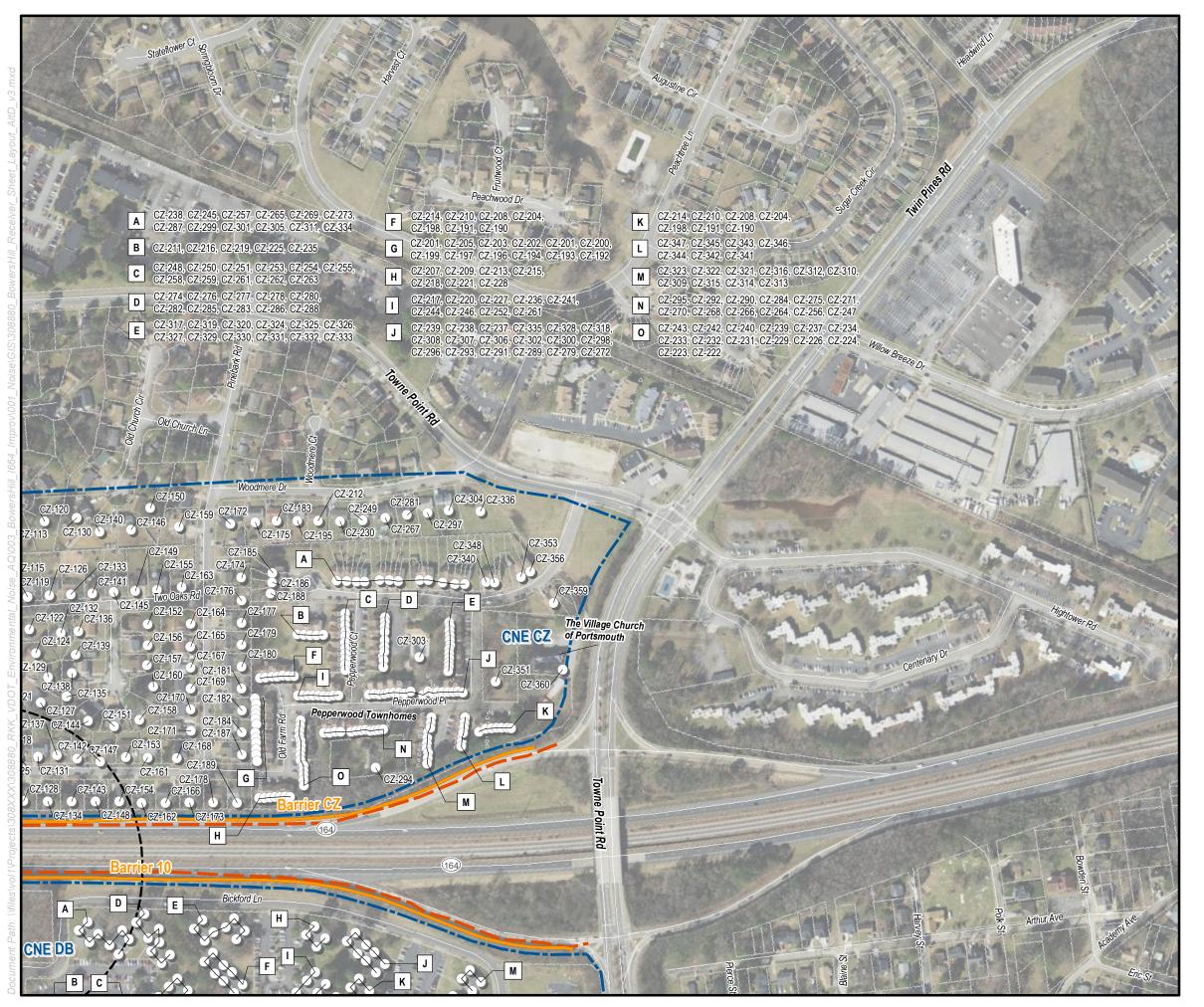
66 dBA Noise Contour







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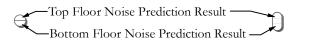


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

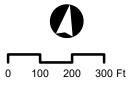
Existing Barrier to Remain

Existing Barrier to be Replaced

CNE Boundary
500' Noise Study Area

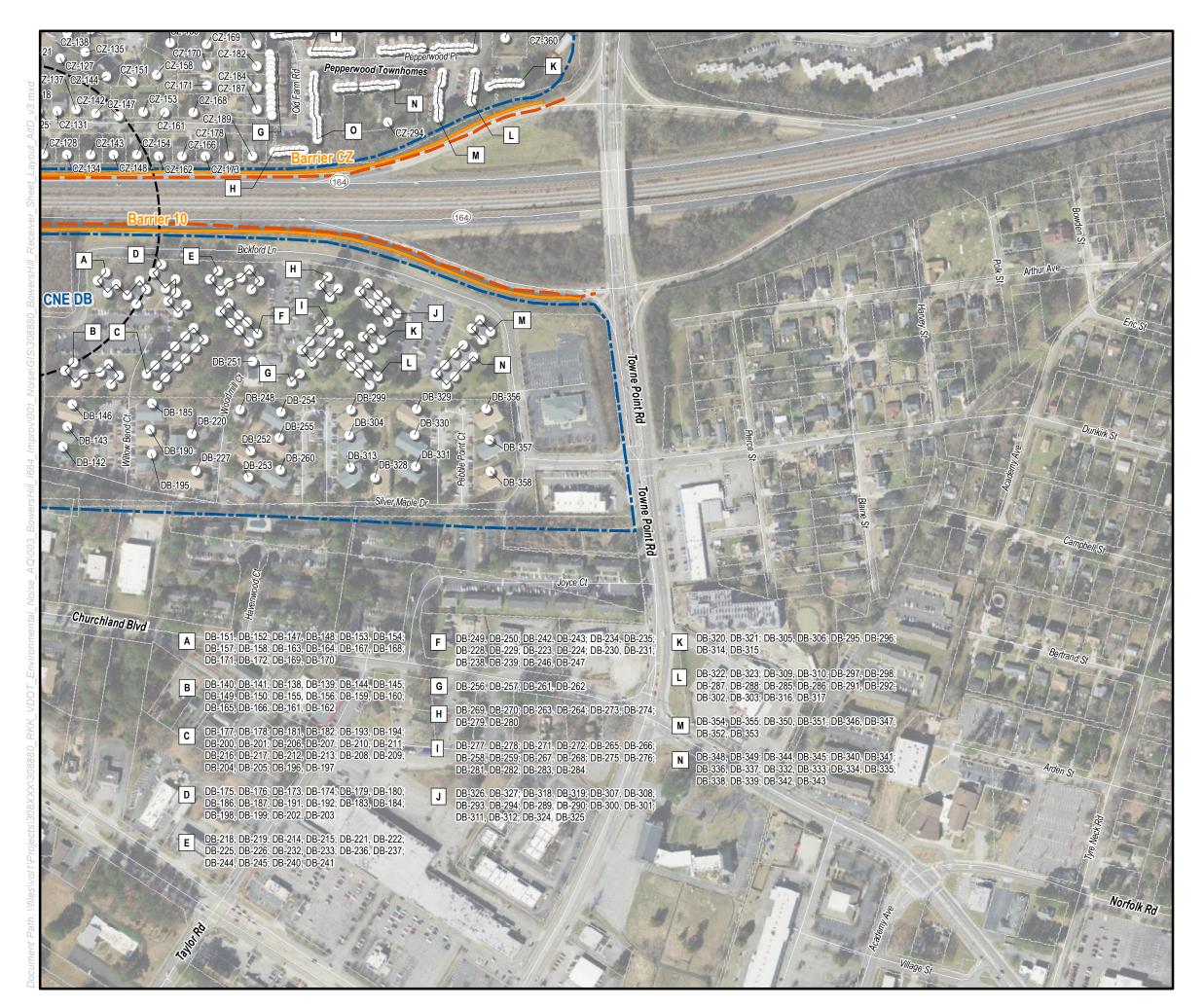
66 dBA Noise Contour







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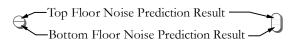


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

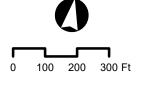
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

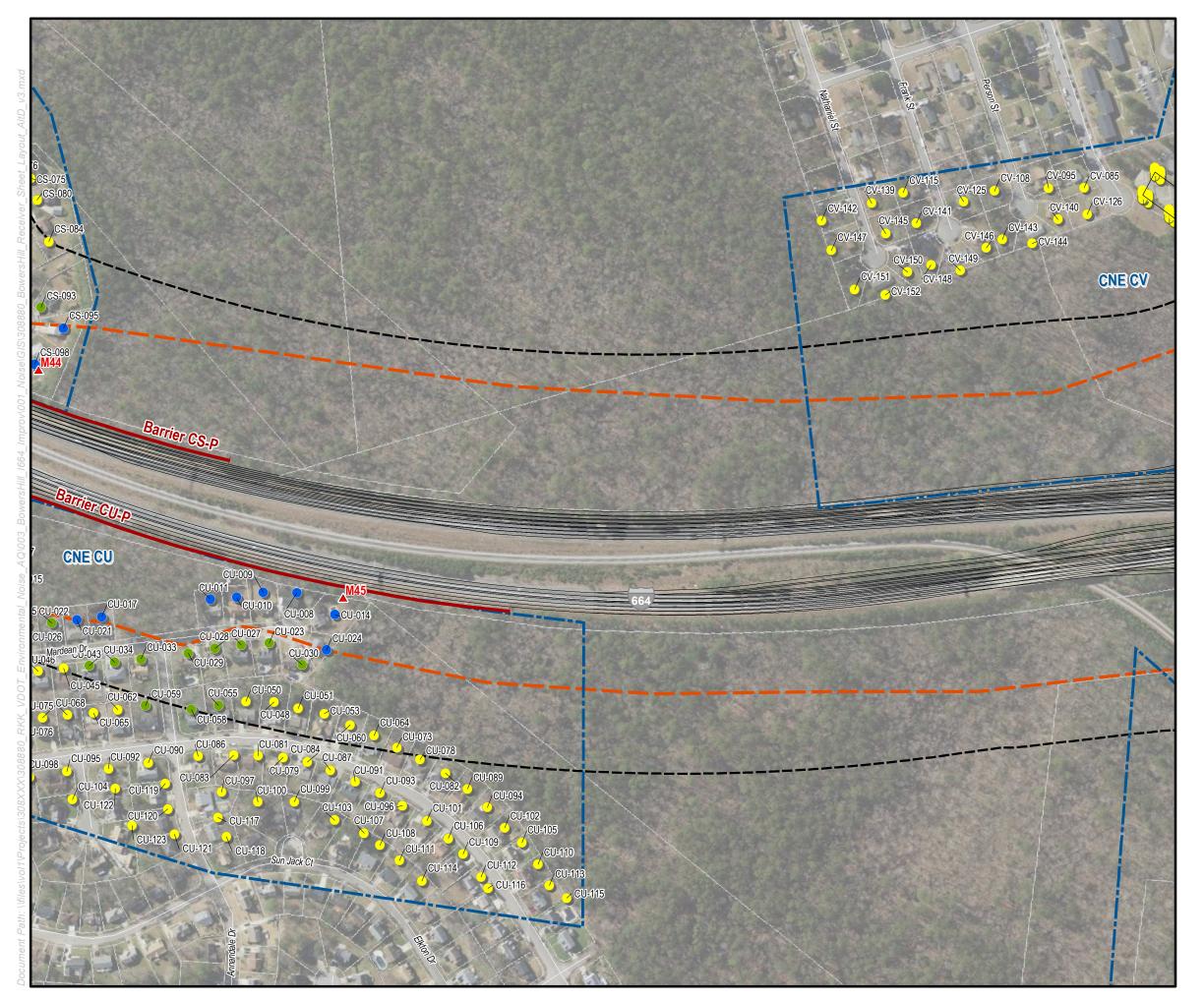
66 dBA Noise Contour







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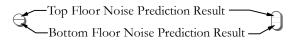


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



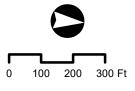
Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

- Feasible and Reasonable
- Feasible and Not Reasonable
- Not Feasible
- Existing Barrier to Remain
- Existing Barrier to be Replaced
- CNE Boundary
- 500' Noise Study Area
 - 66 dBA Noise Contour







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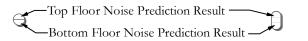


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



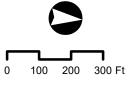
Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

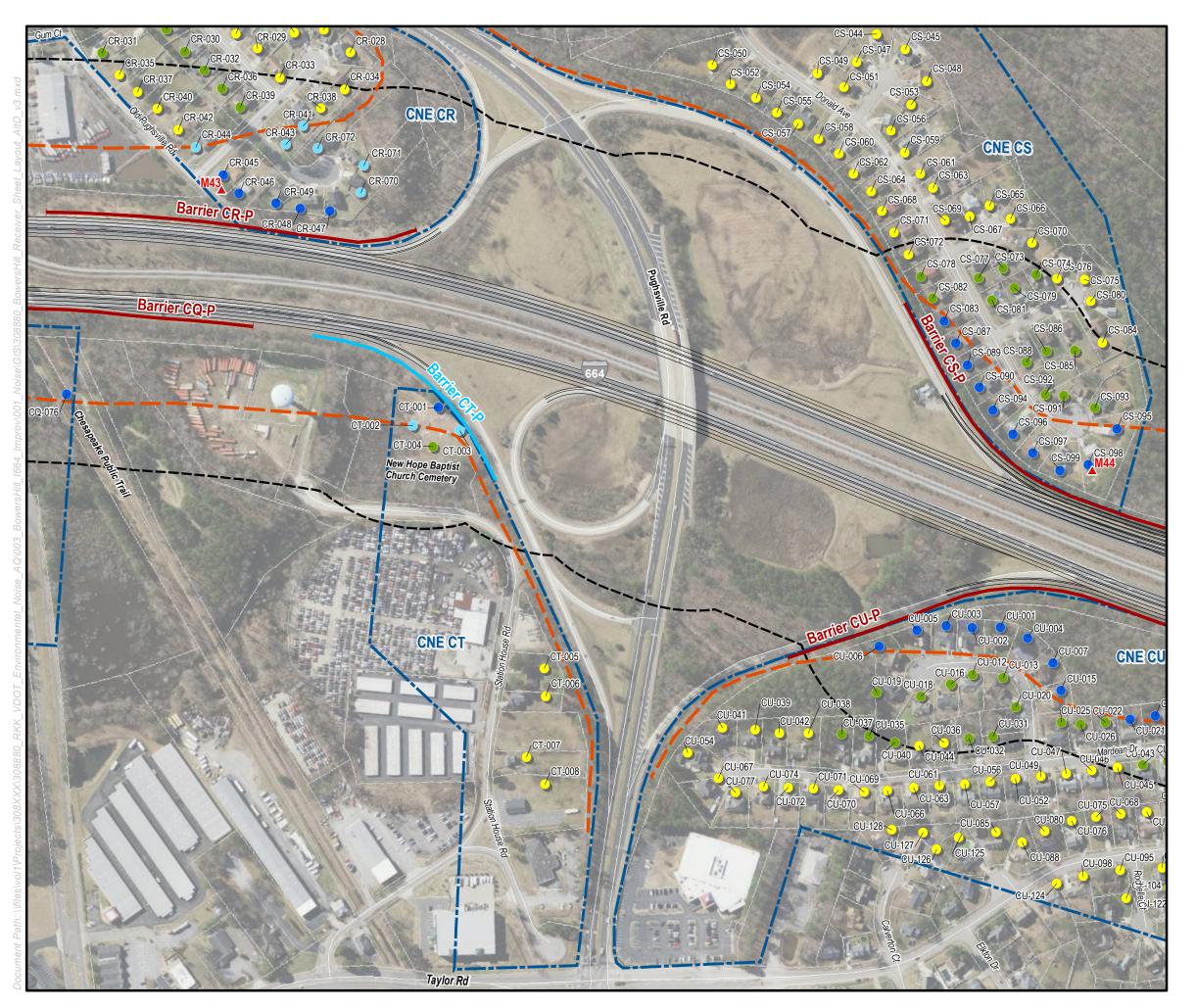
- Feasible and Reasonable
- Feasible and Not Reasonable
- Not Feasible
 - Existing Barrier to Remain
- Existing Barrier to be Replaced
- CNE Boundary
- 500' Noise Study Area
 - 66 dBA Noise Contour







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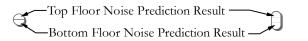


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

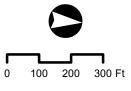
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour









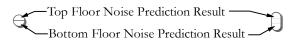


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

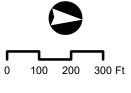
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour







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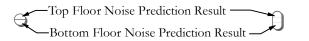


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

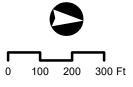
Existing Barrier to be Replaced

CNE Boundary

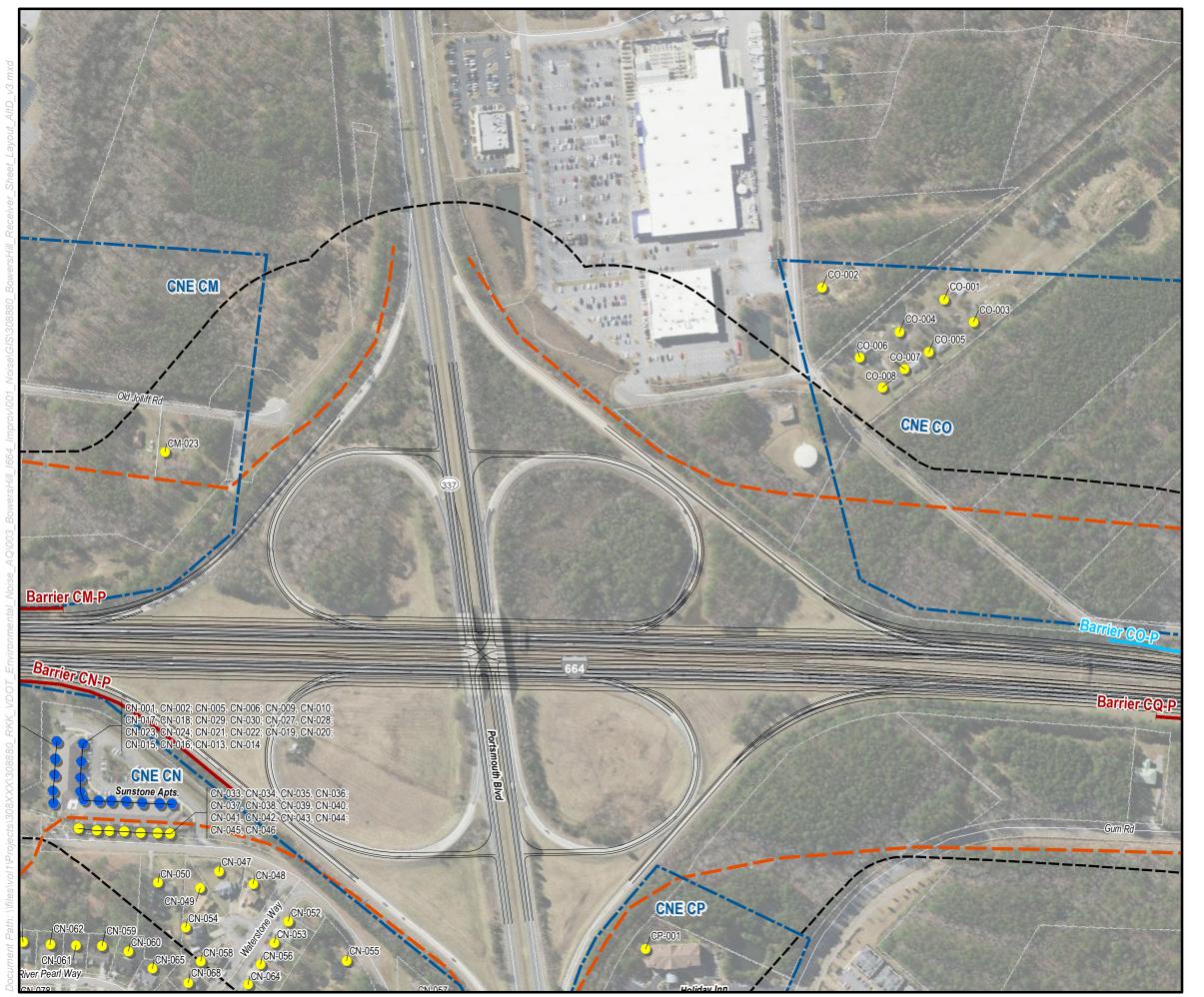
500' Noise Study Area

66 dBA Noise Contour









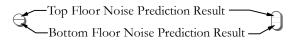


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

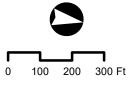
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

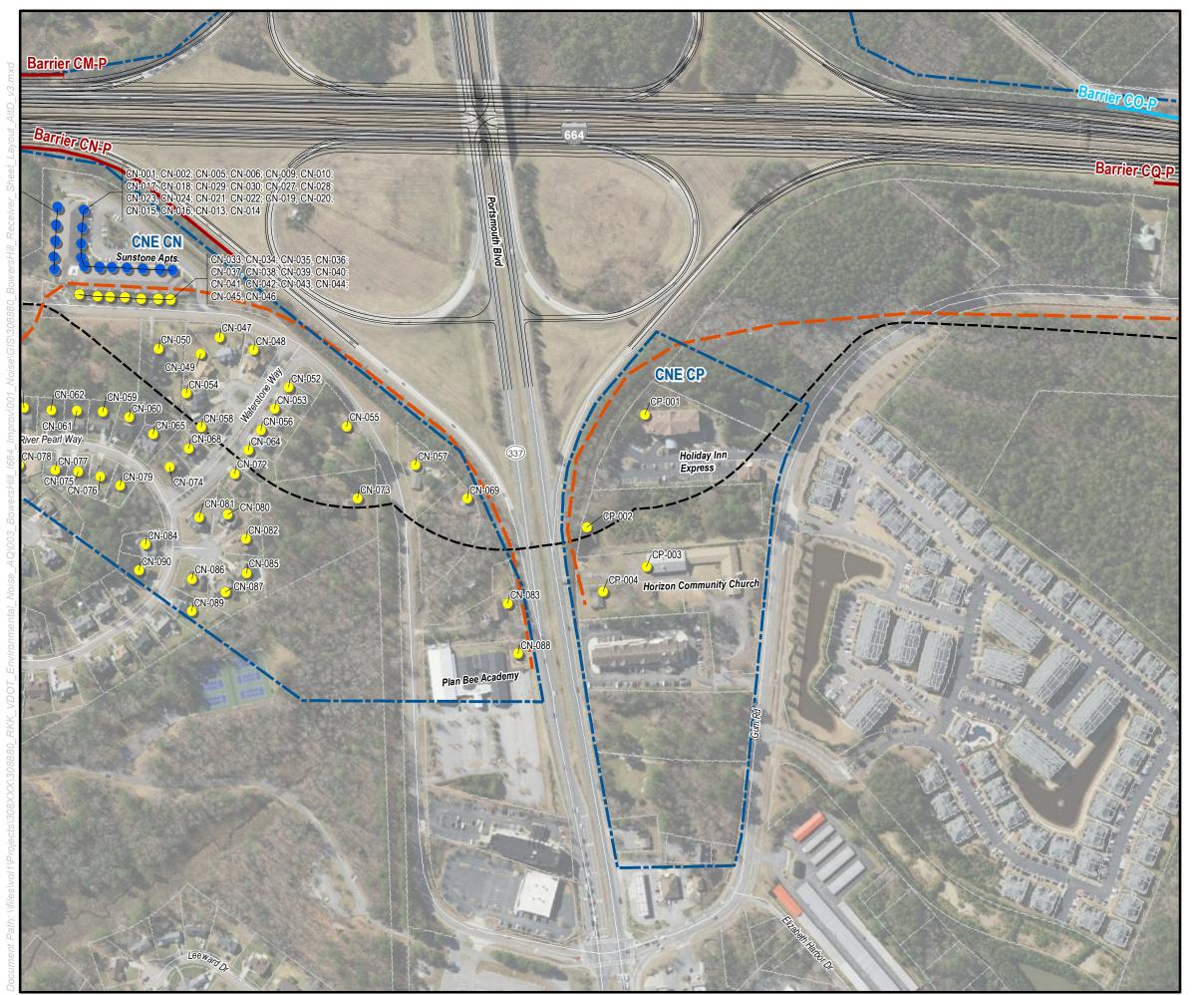
66 dBA Noise Contour







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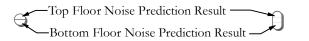


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
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- Not impacted, benefit not determined

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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

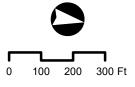
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

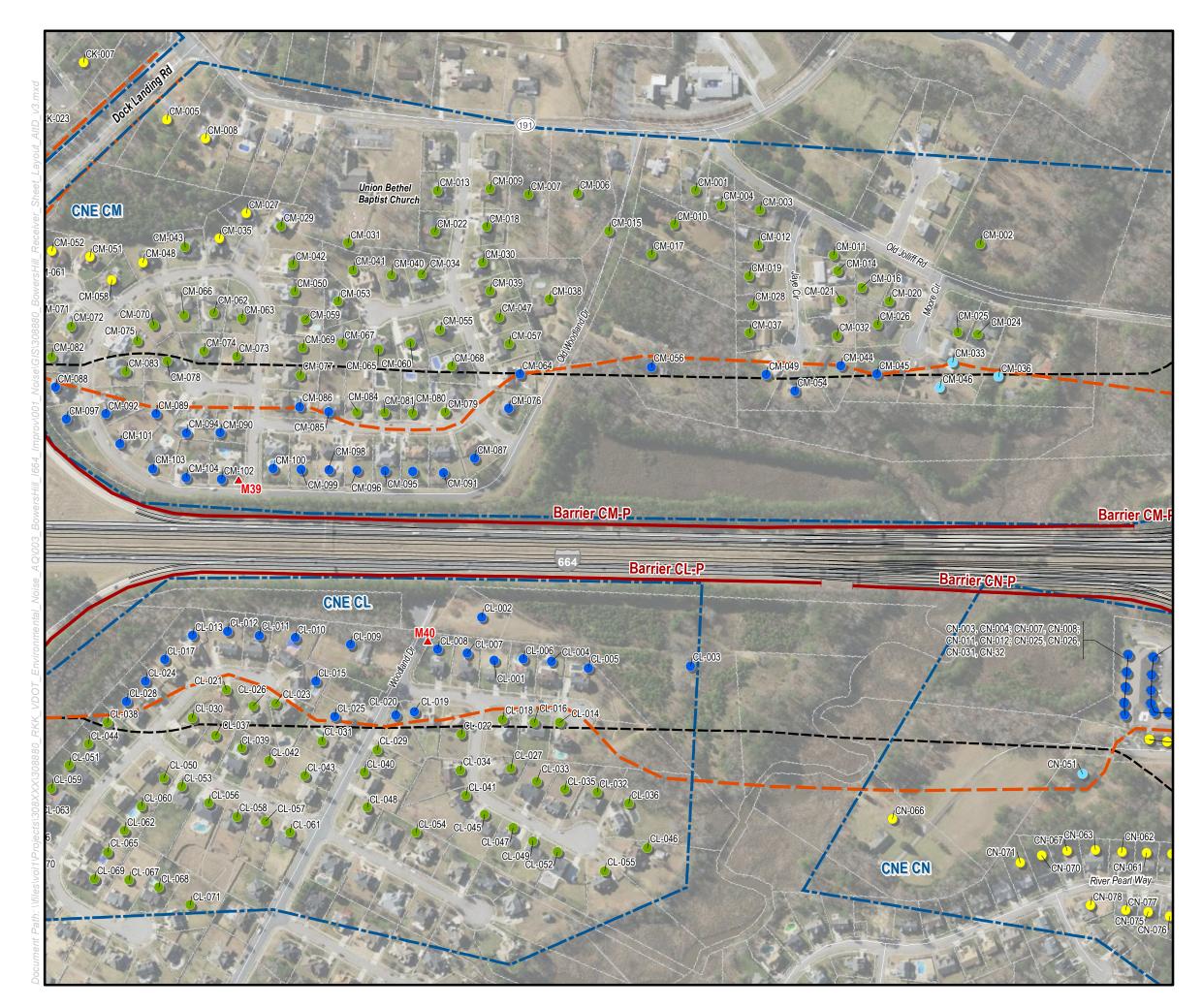
66 dBA Noise Contour







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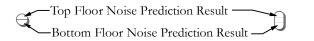


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
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- Not impacted, benefit not determined
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benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

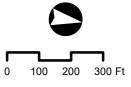
Existing Barrier to be Replaced

CNE Boundary

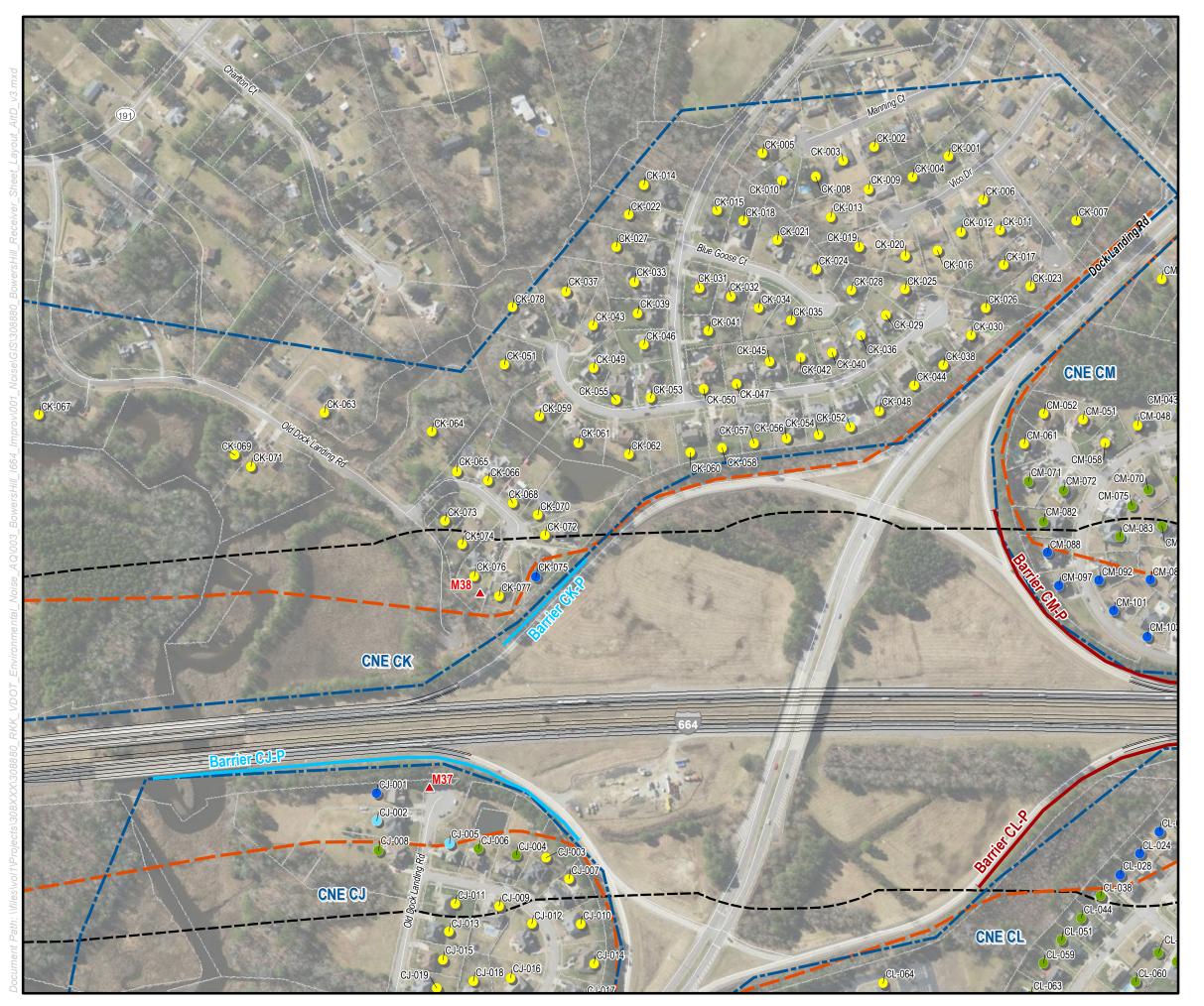
500' Noise Study Area

66 dBA Noise Contour









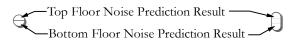


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

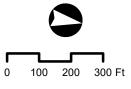
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

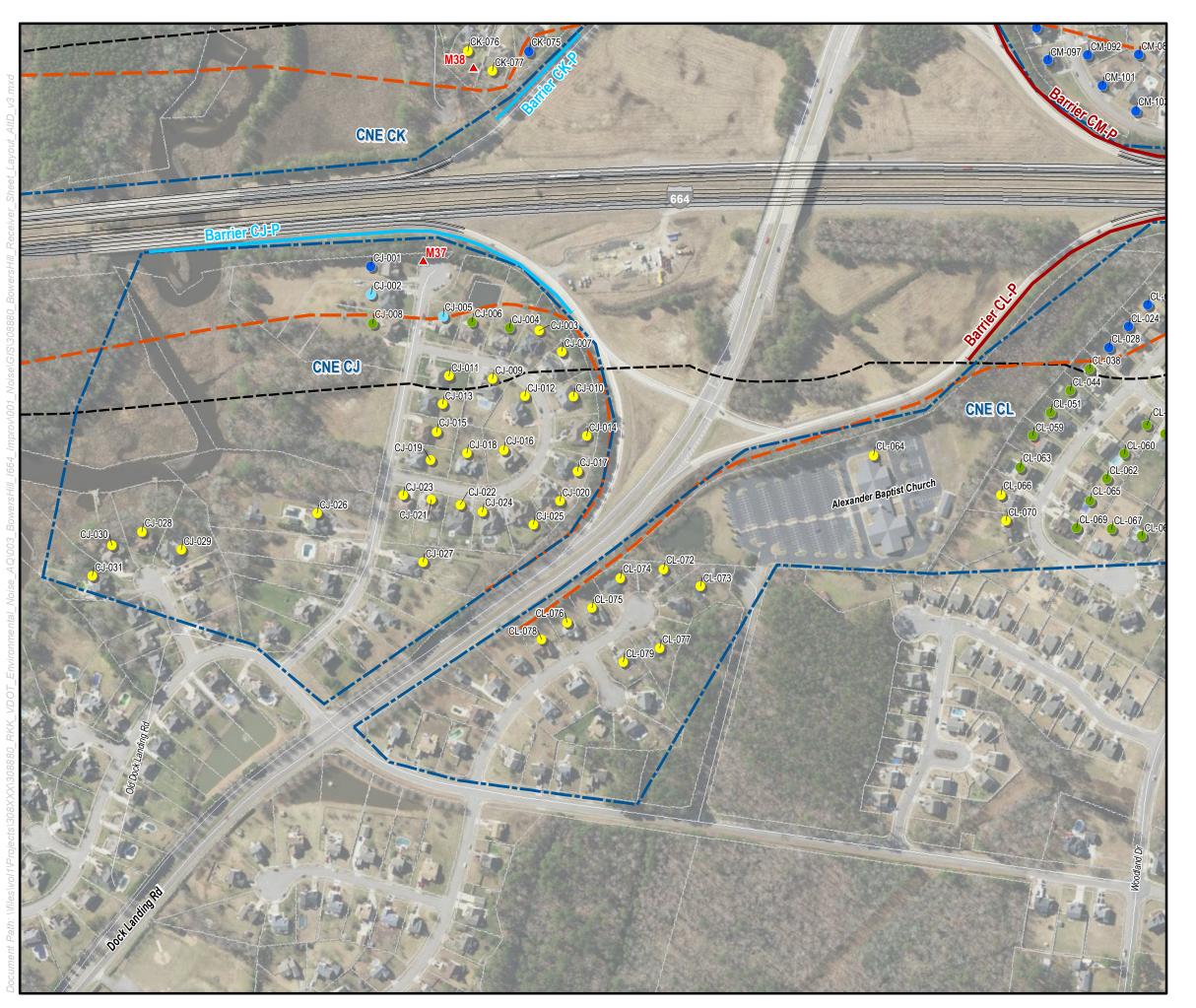
66 dBA Noise Contour







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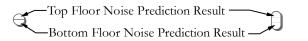


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



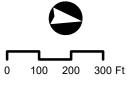
Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

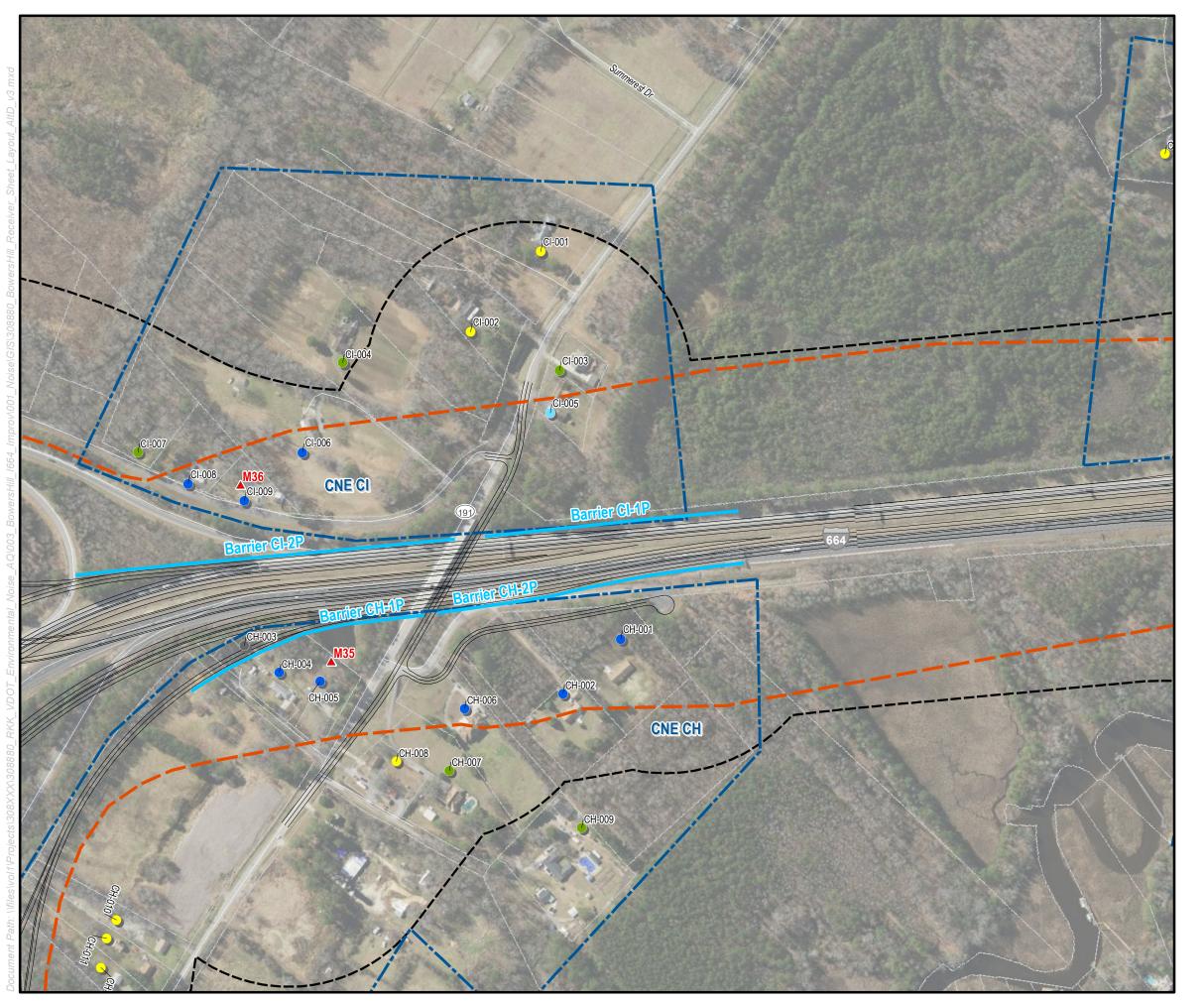
- Feasible and Reasonable
- Feasible and Not Reasonable
- Not Feasible
- Existing Barrier to Remain
- Existing Barrier to be Replaced
- CNE Boundary
 - 500' Noise Study Area
 - 66 dBA Noise Contour







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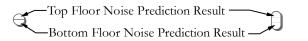


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

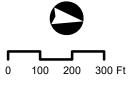
Existing Barrier to be Replaced

CNE Boundary

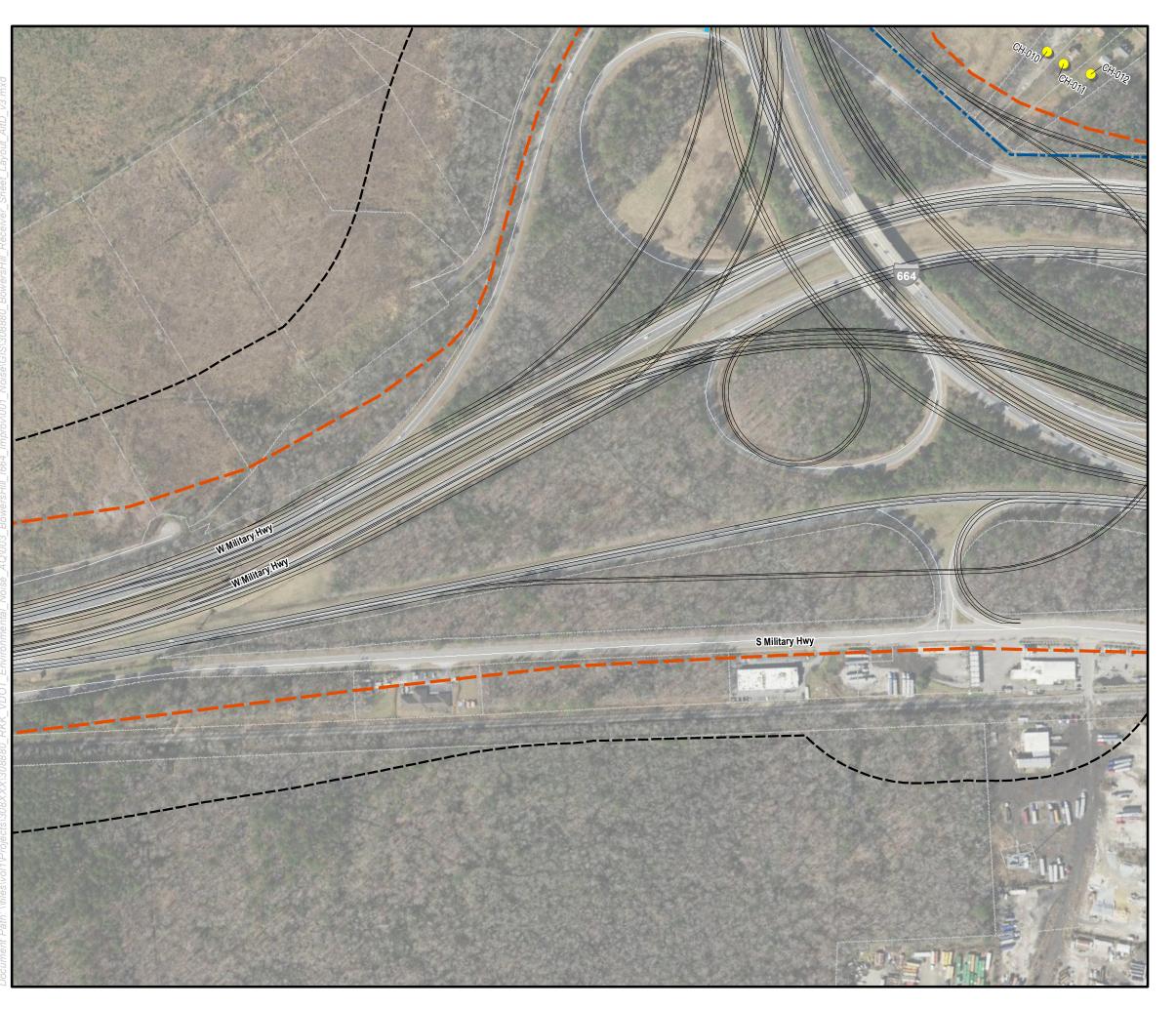
500' Noise Study Area

66 dBA Noise Contour









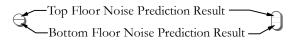


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

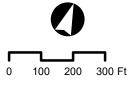
Existing Barrier to Remain
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

✓ 66 dBA Noise Contour







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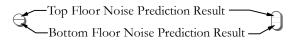


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

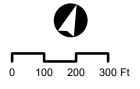
Not Feasible

Existing Barrier to Remain
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area
66 dBA Noise Contour







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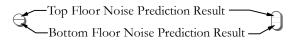


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

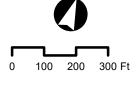
Existing Barrier to Remain

Existing Barrier to be Replaced

CNE Boundary
500' Noise Study Area

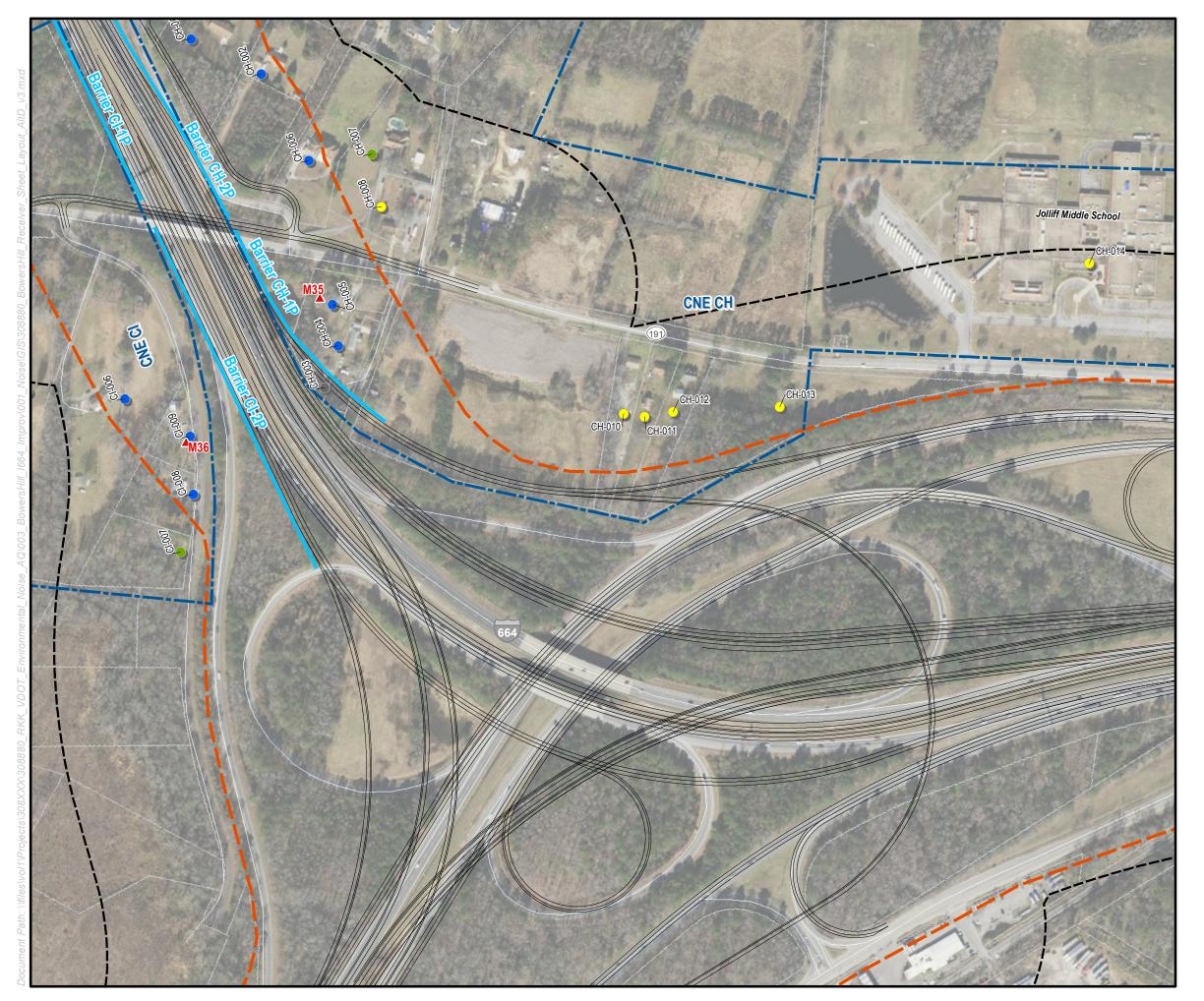
66 dBA Noise Contour







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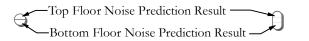


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

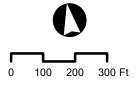
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

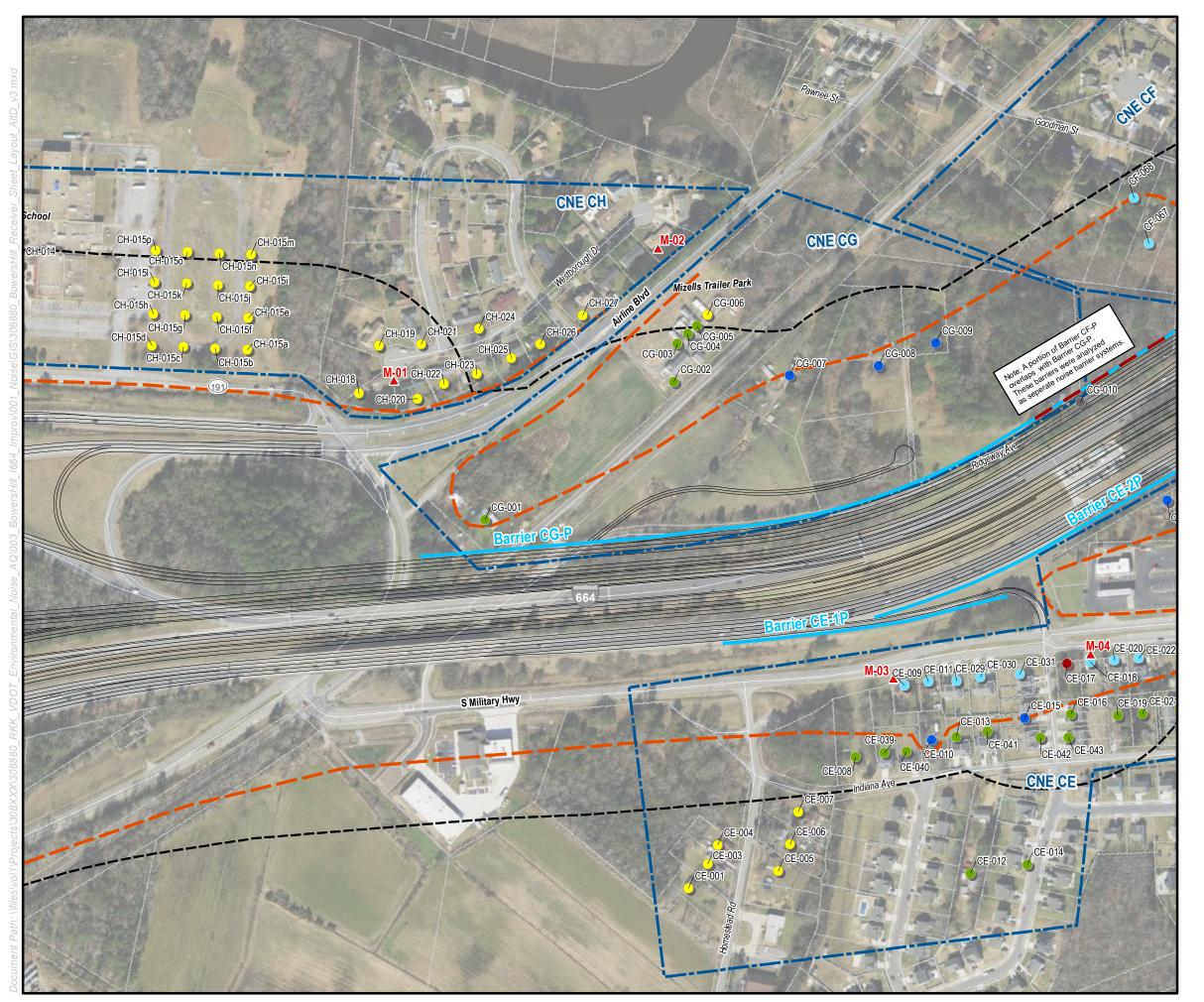
66 dBA Noise Contour







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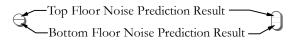


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

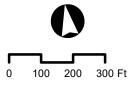
Existing Barrier to Remain
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

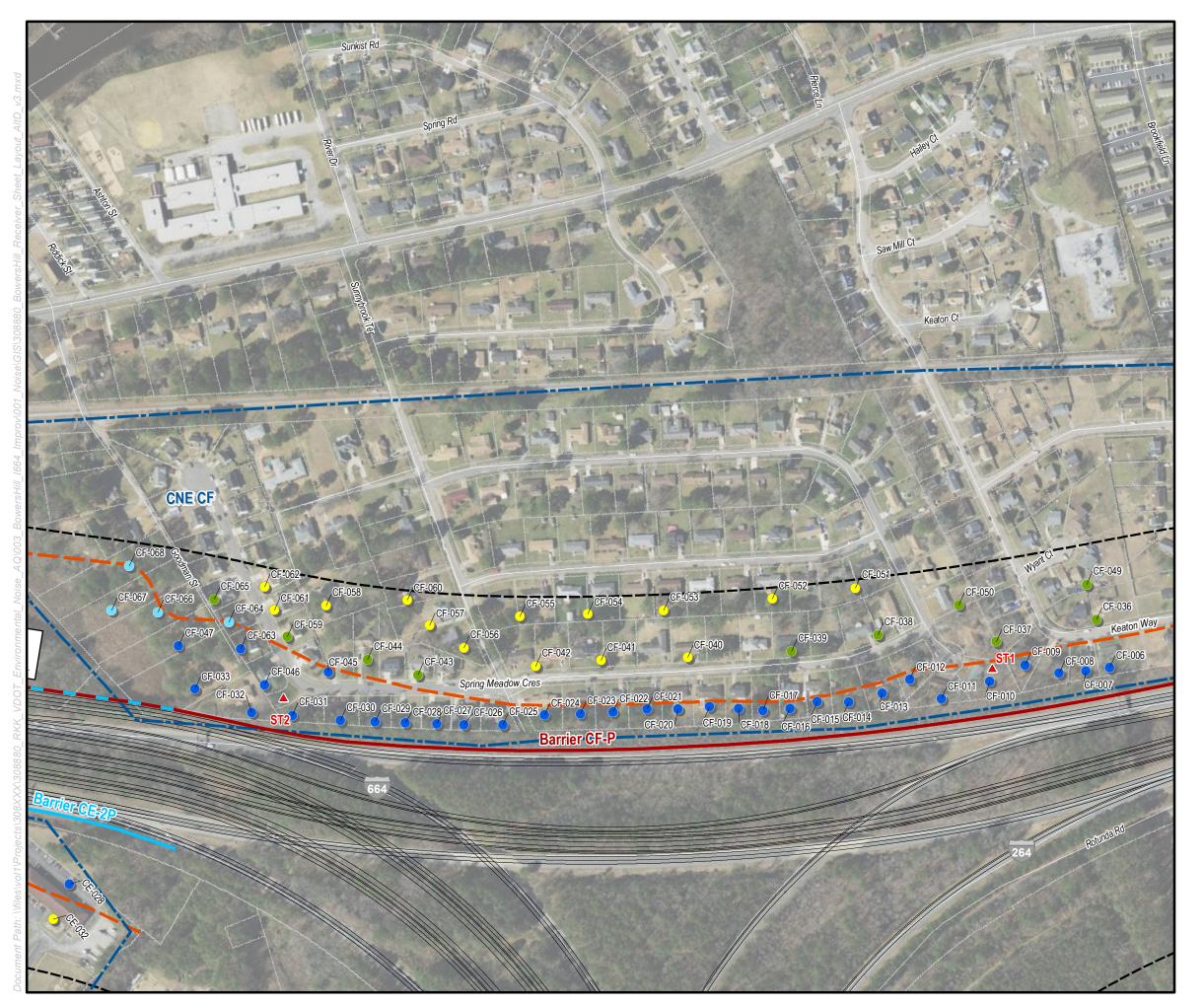
66 dBA Noise Contour







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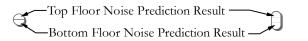


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
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- Benefited but Not Impacted
- Not Benefited or Impacted
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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

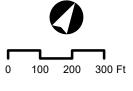
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour







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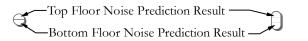


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

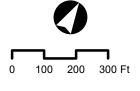
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour







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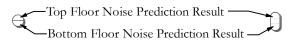


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

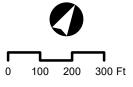
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

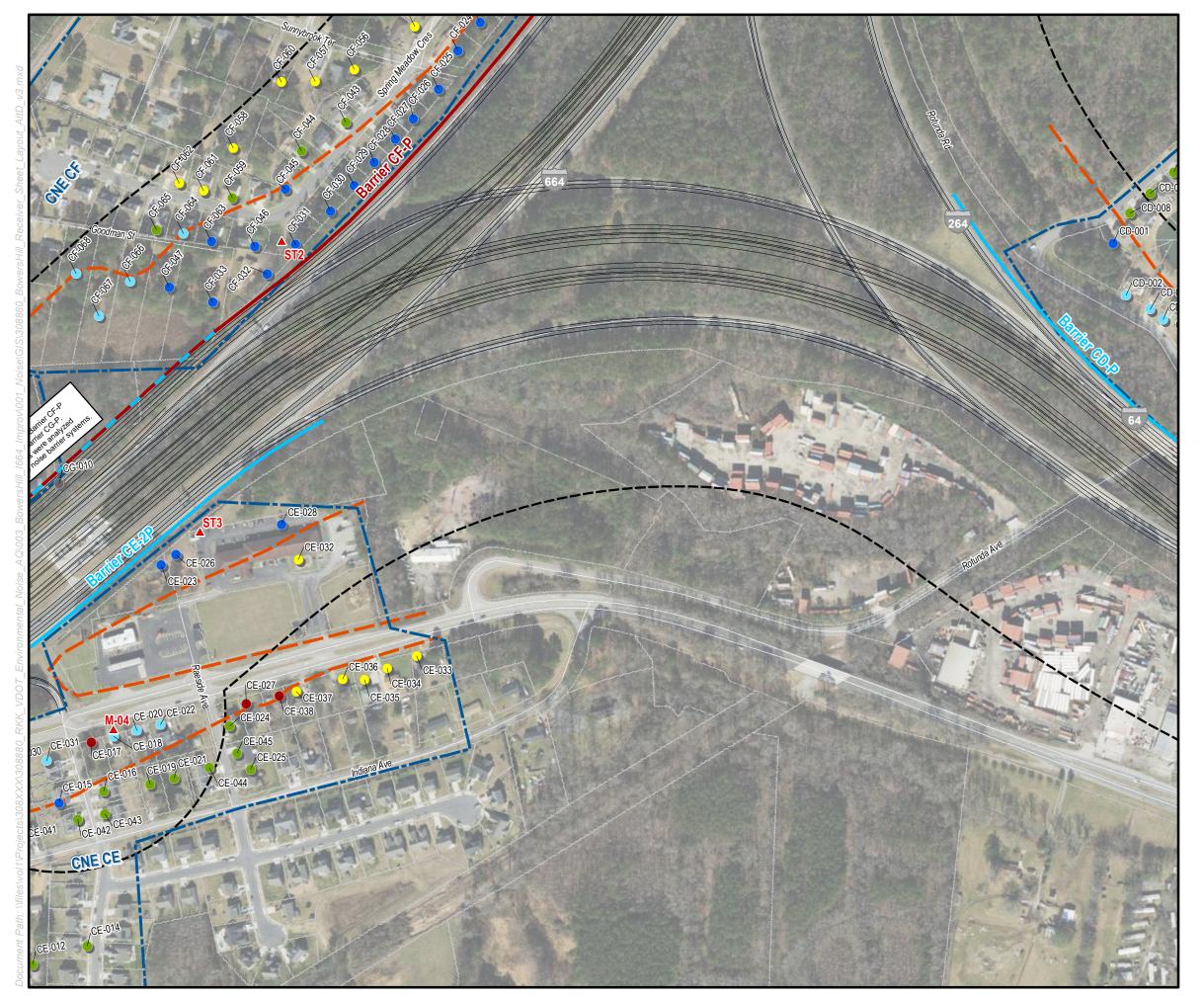
66 dBA Noise Contour







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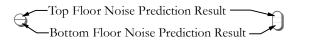


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
- Not impacted, benefit not determined

Note: Receptors coded in white were not evaluated for benefit status due to no impacts behind the existing barrier.



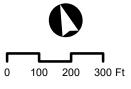
Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

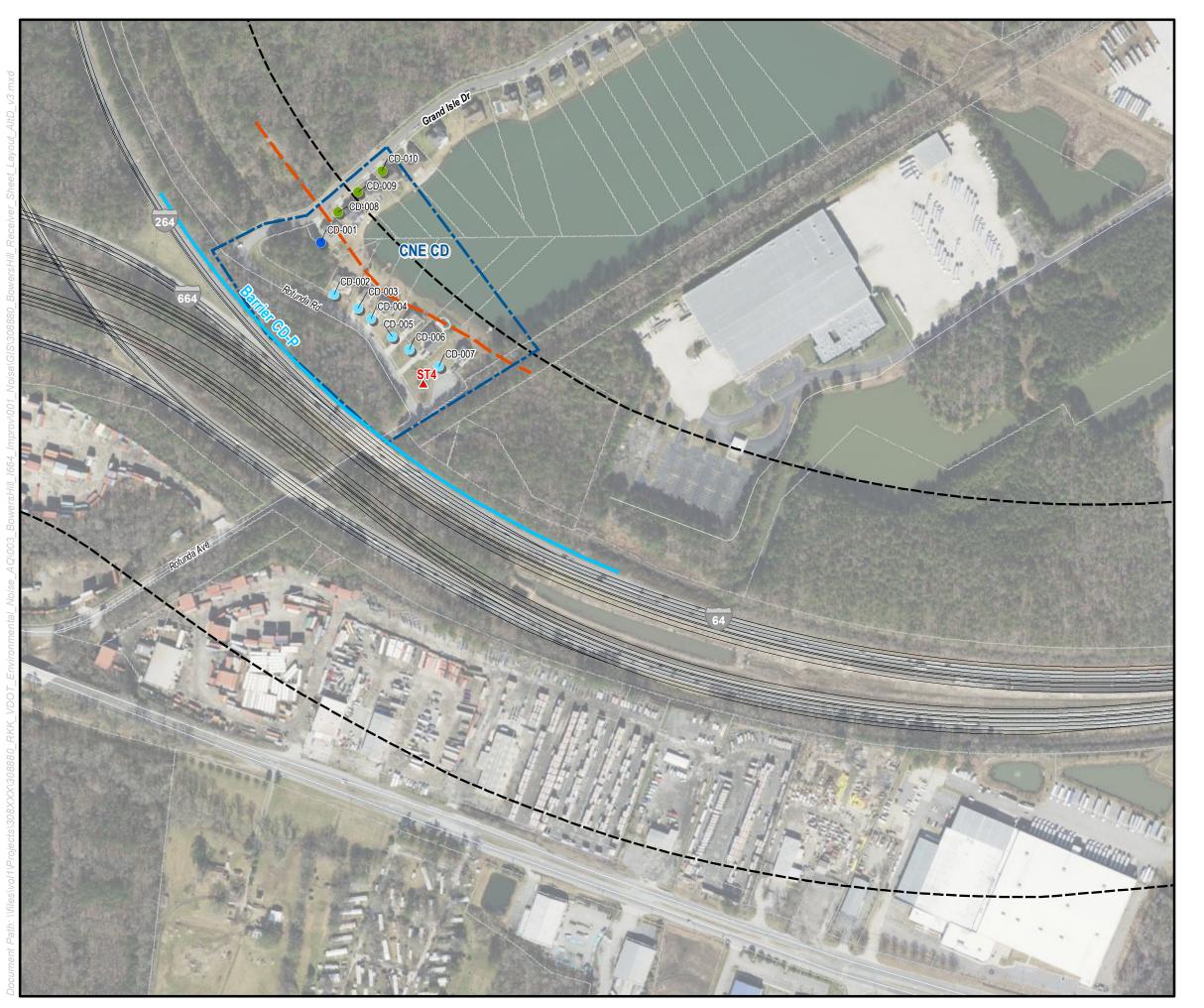
- Feasible and Reasonable
- Feasible and Not Reasonable
- Not Feasible
- Existing Barrier to Remain
- Existing Barrier to be Replaced
- CNE Boundary
 - 500' Noise Study Area
 - 66 dBA Noise Contour







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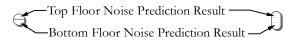


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

Existing Barrier to Remain

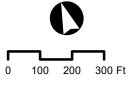
Existing Barrier to be Replaced

CNE Boundary

500' Noise Study Area

66 dBA Noise Contour







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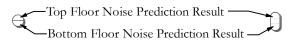


Bowers Hill Interchange Improvement Study Alternative D

Receiver Site and Number

- Impacted and 5 or 6 dBA Insertion Loss
- Impacted and 7 dBA or more Insertion Loss
- Impacted but Not Benefited
- Benefited but Not Impacted
- Not Benefited or Impacted
- Potential Acquisition
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Note: Grouped Receiver Labels are in order of Leader Occurrence.

▲ M#, ST-#, M-# Measurement Site

Noise Barriers

Feasible and Reasonable

Feasible and Not Reasonable

Not Feasible

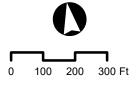
Existing Barrier to Remain

Existing Barrier to be Replaced

CNE Boundary
500' Noise Study Area

66 dBA Noise Contour







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