

PROJECT DEVELOPMENT & ENVIRONMENT

NOISE STUDY REPORT

**Widening Suncoast Pkwy (SR 589)
from Van Dyke Road to SR 52**

Hillsborough and Pasco Counties, Florida

Financial Project ID Number: 448068-1-22-03



**Prepared For:
FLORIDA'S TURNPIKE ENTERPRISE**

November 2025

Executive Summary

Suncoast Parkway/SR 589 is a four lane (two lanes in each direction), limited access facility. Florida's Turnpike Enterprise (FTE) has identified the need to widen this portion of Suncoast Parkway to enhance safety, accommodate the forecasted traffic volumes generated from the anticipated growth in Hillsborough and Pasco Counties, and improve emergency and evacuation response times for the year 2050.

The Project Development and Environment (PD&E) Study is evaluating widening the Suncoast Parkway/State Road (SR) 589 (shown in Figure 1) to eight lanes (four in each direction) from south of Van Dyke Road to SR 54 and six lanes (three in each direction) from SR 54 to SR 52. The widening will extend for approximately 16 miles from mileposts (MP) 13 to 29. The improvements to this section of Suncoast Parkway will be designed with the goal of utilizing the existing right-of-way where feasible. The project also includes evaluation of the overall corridor in conjunction with trail optimization, and improvements and modifications to the existing interchanges within the project limits. These interchanges include Veterans Expressway/SR 568, Van Dyke Road, Lutz Lake Fern Road, SR 54, Ridge Road, SR 52. A new interchange location is being evaluated at the planned Rangeland Blvd to improve mobility in the area and relieve congestion at SR 54.

Within the project limits, noise levels were predicted at 1,128 Noise Abatement Criteria (NAC) B receptors representing 3,223 residences and 211 NAC C and E Special Land Use (SLU) receptors across 23 locations, representing a combined 83.40 Equivalent Residences (ERs). Of these, 663 residences and 18.81 ERs from SLU receptors are predicted to approach or exceed the NAC under the 2050 Build condition and are therefore considered impacted.

Noise barriers were evaluated for the impacted noise sensitive sites. The results of the noise barrier evaluation conclude that noise barriers are a feasible and reasonable method to abate traffic-related noise impacts for eight noise sensitive areas and will provide at least a 5 dB(A) benefit to 630 impacted residences and 13 non-residential sites.

Statement of Likelihood

FTE is committed to the construction of feasible and reasonable noise abatement measures. Eight potentially feasible and reasonable noise barrier systems have been identified for this project (see Table 4-1 for more detail on the noise barrier) contingent upon the following conditions:

- Final recommendations on the construction of abatement measures are determined during the project's final design and through the public involvement process.
- Detailed noise analyses during the final design process support the need, feasibility, and reasonableness of providing abatement.
- Cost analysis indicates that the cost of the noise barrier(s) will not exceed the cost reasonable criterion.

- Community input supporting types, heights, and locations of the noise barrier(s) is provided to FTE; and
- Safety and engineering aspects have been reviewed and any conflicts or issues resolved.

A land use review will be performed during the design phase to identify all noise sensitive sites that may have received a building permit subsequent to the noise study but prior to the project's Date of Public Knowledge (DPK). The date that the State Environmental Impact Report (SEIR) is approved by FTE will be the DPK. If the review identifies noise sensitive sites that have been permitted prior to the DPK, then those sensitive sites will be evaluated during the design phase for traffic noise impacts and abatement considerations.

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1.0 INTRODUCTION

Suncoast Parkway/SR 589 is a four lane (two lanes in each direction), limited access facility. FTE has identified the need to widen this portion of Suncoast Parkway to enhance safety, accommodate the forecasted traffic volumes generated from the anticipated growth in Hillsborough and Pasco Counties, and improve emergency and evacuation response times for the year 2050.

The PD&E Study is evaluating widening the Suncoast Parkway/SR 589 (shown in Figure 1) to eight lanes (four in each direction) from south of Van Dyke Road to SR 54 and six lanes (three in each direction) from SR 54 to SR 52. The widening will extend for approximately 16 miles from mileposts (MP) 13 to 29. The improvements to this section of Suncoast Parkway will be designed with the goal of utilizing the existing right-of-way where feasible.

The project also includes evaluation of the overall corridor in conjunction with trail optimization, and improvements and modifications to the existing interchanges within the project limits. These interchanges include Veterans Expressway/SR 568, Van Dyke Road, Lutz Lake Fern Road, SR 54, Ridge Road, SR 52.

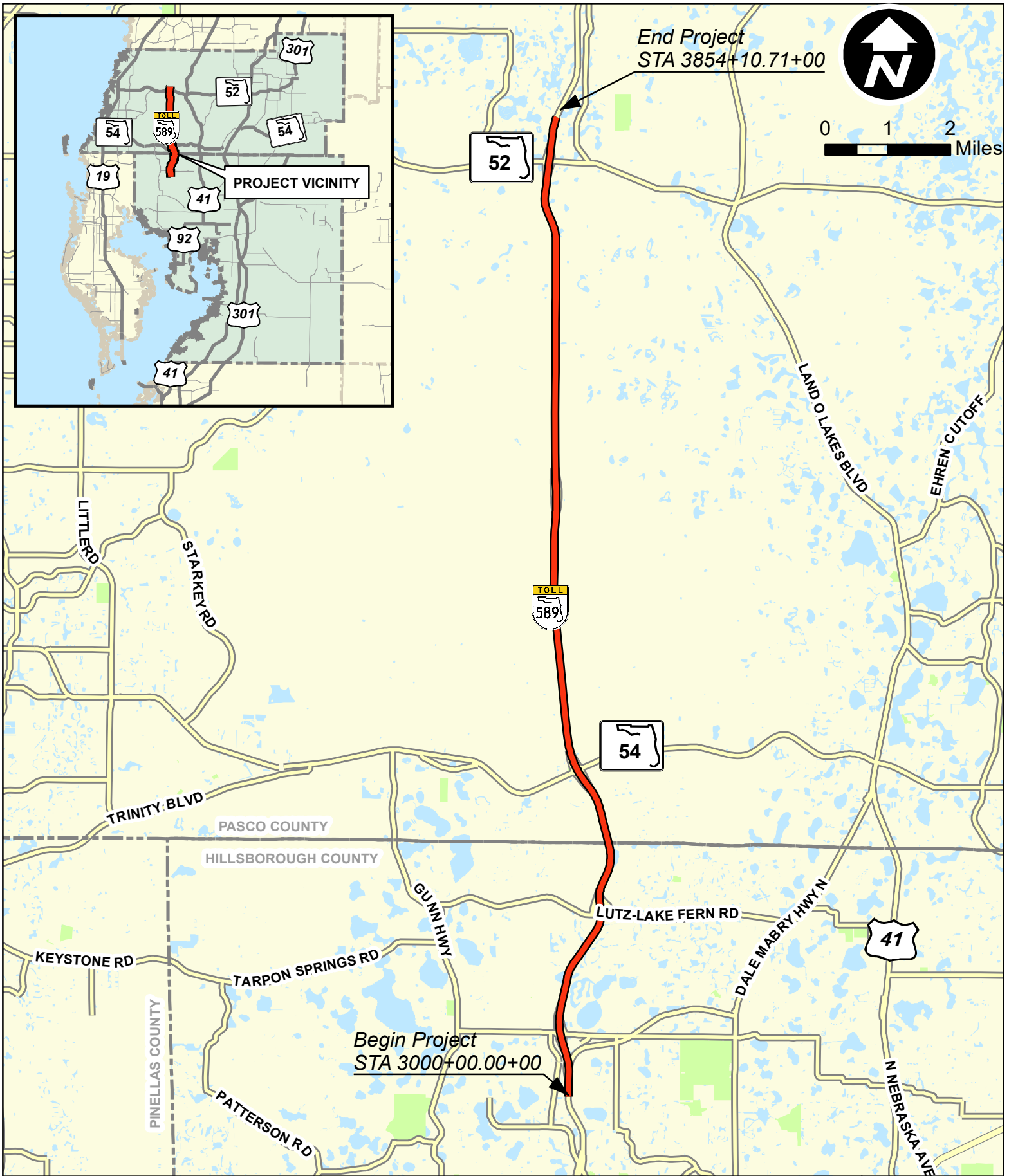
A new interchange location is being evaluated at the planned Rangeland Blvd to improve mobility in the area and relieve congestion at SR 54.

2.0 METHODOLOGY

The traffic noise study was conducted in accordance with Title 23, Part 772 of the Code of Federal Regulations (23 CFR Part 772) *Procedures for Abatement of Highway Traffic Noise and Construction Noise*¹. The methodology follows guidelines established by FDOT in the *PD&E Manual*, Part 2, Chapter 18², and the *Traffic Noise Modeling and Analysis Practitioners Handbook*³. Predicted noise levels were generated using the Federal Highway Administration (FHWA) Traffic Noise Model (TNM), version 2.5.

2.1 Noise Metrics

Noise levels for this analysis are expressed in decibels (dB) using an A-weighted scale[dB(A)], which closely approximates the human ear's response. All reported noise levels represent the hourly equivalent noise levels [Leq(h)]. The Leq is defined as *"the equivalent steady-state sound level which in a stated period of time contains the same acoustic energy as the time-varying sound level during the same time period, with Leq(h) being the hourly value of Leq."*². Use of the dB(A) and Leq(h) metrics to evaluate traffic noise is consistent with 23 CFR 772¹.



Suncoast Parkway
PD&E Noise Study Report
 from Van Dyke Road to State Road 52
 Hillsborough, Pasco Counties, Florida
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PROJECT LOCATION MAP

Figure
1

2.2 Traffic Data

Traffic noise is primarily influenced by traffic speed and volume, with noise levels increasing as both vehicle speed and traffic density rise. The highest roadway noise levels typically occur under Level of Service (LOS) C conditions, where traffic volumes are maximized while maintaining free-flow speeds.

For this analysis, traffic volumes and vehicle mix (e.g., cars, medium trucks, heavy trucks, motorcycles, and buses) were projected for the 2050 Build Condition. LOS C hourly traffic volumes were compared with predicted design-year demand hourly volumes and used the lower of the two in the model, per Section 18.2.1.5 of the FDOT *PD&E Manual*². Traffic volumes and speeds used in the analysis are provided in Appendix A.

2.3 Noise Abatement Criteria and Considerations

A noise-sensitive site is any property where frequent exterior or interior human use occurs and where a reduction in noise would be beneficial. FHWA has established Noise Abatement Criteria (NAC) for various types of noise-sensitive sites. These criteria, adopted by FDOT for traffic noise evaluation, are shown in Table 2-1.

Noise abatement measures are considered when predicted noise levels approach or exceed the NAC. FDOT defines "approach" as being within one dB(A) of the applicable FHWA criterion. Figure 2 provides a comparison of typical noise levels for common indoor and outdoor activities. Predicted traffic noise levels, NAC classification, and impact criteria for all residential receptors are documented in Appendix B-1 and all SLU receptors are documented in Appendix B-2.

Noise abatement must also be considered if a transportation project results in a substantial increase in traffic noise. According to the FDOT *PD&E Manual*², a substantial increase is defined as an increase of 15 dB(A) or more above existing conditions. A substantial increase typically occurs in areas where traffic noise is currently a minor component of the existing noise environment but would become a dominant factor after project completion (e.g., a new alignment project). Because this project follows the existing alignment of the Suncoast Parkway, the PD&E noise analysis determined that a substantial increase in traffic noise will not occur.

Table 2-1 – FHWA & FDOT Noise Abatement Criteria

NOISE ABATEMENT CRITERIA (NAC) [Hourly A-Weighted Sound Level-decibels (dB(A))]				
Activity Category	Activity Leq(h) ¹		Evaluation location	Description of activity category
	FHWA	FDOT		
A	57	56	Exterior	Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.
B ²	67	66	Exterior	Residential
C ²	67	66	Exterior	Active sports areas, amphitheaters, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreational areas, Section 4(f) sites, schools, television studios, trails, and trail crossings.
D	52	51	Interior	Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios.
E ²	72	71	Exterior	Hotels, motels, offices, restaurants/bars, and other developed lands, properties or activities not included in A-D or F.
F	–	–	–	Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing.
G	–	–	–	Undeveloped lands that are not permitted.
<i>(Based on Table 1 of 23 CFR Part 772)</i> ¹ The Leq(h) Activity Criteria values are for impact determination only and are not design standards for noise abatement measures. ² Includes undeveloped lands permitted for this activity category. Note: FDOT defines that a substantial noise increase occurs when the existing noise level is predicted to be exceeded by 15 decibels or more as a result of the transportation improvement project. When this occurs, the requirement for abatement consideration will be followed.				

Figure 2 – Typical Noise Levels

Common Outdoor Activities	Noise Level dB(A)	Common Indoor Activities
Jet Fly-Over 1000 ft.	---110---	Rock Band
Gas Lawn Mower at 3 ft.	---100---	
Diesel Truck at 50 ft., at 50 mph	---90---	Food Blender at 3 ft.
Noise Urban Area (Daytime)	---80---	Garbage Disposal at 3 ft.
Gas Lawn Mower at 100 ft.	---70---	Vacuum Cleaner at 10 ft.
Commercial Area		Normal Speech at 3 ft.
Heavy Traffic at 300 ft.	---60---	Large Business Office
Quiet Urban Daytime	---50---	Dishwasher Next Room
Quiet Urban Nighttime	---40---	Theater, Large Conference Room (Background)
Quiet Suburban Nighttime		
Quiet Rural Nighttime	---30---	Library
	---20---	Bedroom at Night, Concert Hall (Background)
	---10---	
Lowest Threshold of Human Hearing	---0---	Lowest Threshold of Human Hearing
Source: California Dept. of Transportation; Technical Noise Supplement; Oct 1998; Page 18.		

3.0 TRAFFIC NOISE ANALYSIS AND ABATEMENT ASSESSMENT

3.1 Model Verification

To verify the accuracy of the TNM 2.5 noise model, field measurements were conducted within the project limits, following procedures outlined in the FHWA *Noise Measurement Handbook*⁴. Noise monitoring was performed on December 30, 2024, using Larson Davis LxT noise monitors. Each monitoring event consisted of three intervals of 10 minutes, in accordance with the FDOT *PD&E Manual*². The monitors were calibrated with a CAL200 calibrator before and after each event to ensure accuracy. Typical vehicle speeds were found using a Decatur Scout handheld radar gun. Most vehicles traveled within ± 5 mph of the 70-mph posted speed limit on Suncoast Parkway. Traffic volumes, categorized by vehicle classification, were recorded during each monitoring event and extrapolated to one-hour equivalent volumes for input into the TNM model.

Three validation locations were selected to assess the TNM model's predictive accuracy. The locations are shown on project aerials in Appendix D as receptor points VS-01, VS-02, and VS-03. Noise measurements were taken during three separate validation events at each site:

- VS-01: Located within the Right of Way (ROW) near Lake Carlton Arms on the northbound side of Suncoast Parkway at Station 3090+00. See Appendix D, aerial sheet 3.
- VS-02: Located within the ROW near South Branch Preserve on the northbound side of Suncoast Parkway at Station 3350+00. See Appendix D, aerial sheet 12.
- VS-03: Located within the ROW on the northbound side of Suncoast Parkway at Station 3705+50. See Appendix D, aerial sheet 23.

The results, summarized in Table 3-1, show that the variance between measured and predicted noise levels was less than 3.0 dB for all validation events. This finding confirms that the TNM model predicts traffic-related noise levels within the accuracy standard specified in the FDOT *PD&E Manual*².

Table 3-1 – TNM Validation Results Summary

Location	Validation Event	TNM Predicted (dB(A))	Field Measured (dB(A))	Variance (dB(A))
VS-01 ¹ (Location 1)	VS-01-R1	75.7	75.9	-0.2
	VS-01-R2	75.8	76.0	-0.2
	VS-01-R3	76.3	77.0	-0.7
VS-02 ¹ (Location 2)	VS-02-R1	79.3	77.9	+1.4
	VS-02-R2	79.3	78.3	+1.0
	VS-02-R3	79.6	77.9	+1.7
VS-03 ¹ (Location 3)	VS-03-R1	78.7	77.7	+1.0
	VS-03-R2	78.7	77.7	+1.0
	VS-03-R3	78.7	78.8	-0.1

¹ Measurements Taken 12/30/2024.

3.2 Noise Sensitive Sites and Impact Analysis

Within the project limits, residential and non-residential sites were evaluated. Receptors representing noise-sensitive sites were digitized in the noise model following the FDOT *PD&E Manual*² as follows:

- **Residential receptors:** Placed in areas of frequent exterior use (e.g., patio or lanai) or at the corner of the residential building closest to the primary traffic noise source.
- **Special Land Use (SLU) receptors:** Located in areas with frequent outdoor human use. For large spaces, such as parks, receptors are arranged in a grid pattern.
- **Representative receptor:** For clusters of residences, a single representative receptor is analyzed for a group of similar sites.
- **Ground floor receptors:** Assumed to be 5 feet above ground elevation.

The locations of the receptors are shown on project aerials in Appendix D.

3.2.1 Receptor Naming System:

Each receptor is identified by a unique code:

- **First Letter:** "R" for residential receptors or "N" for SLU receptors.
- **Next Two Letters:** indicate the roadway side (e.g., "NB" for northbound, "SB" for southbound).
- **Next Two-Digit Number:** Represents the Common Noise Environment (CNE) identifier.
- **Final Three-Digit Number:** Separated by a dash, this denotes the specific receptor (e.g., RNB02-012 is the 12th residential receptor in the 2nd CNE on the northbound side).

Within the project limits, noise levels were predicted at 1,128 NAC B receptors representing 3,223 residences and 211 NAC C and E SLU receptors across 23 locations, representing a combined 83.40 ERs. Of these, 663 residences and 18.81 ERs from SLU receptors are predicted to approach or exceed the NAC under the 2050 Build condition and are therefore considered impacted.

Predicted noise levels for the design year (2050) Build condition are included in Appendix B-1 (residential receptors) and Appendix B-2 (SLU receptors), while receptor locations are illustrated in Appendix D.

3.3 Noise Abatement Analysis

Receptors were grouped into CNEs to evaluate the feasibility and reasonableness of noise abatement measures. Noise barriers mitigate traffic noise by blocking the sound path between the roadway and noise-sensitive sites. Effective noise barriers are sufficiently long, continuous (without gaps), and of adequate height. For a noise barrier to be considered for construction, it must meet feasibility and reasonableness criteria:

Feasibility Criteria:

- Must provide at least a 5 dB(A) reduction in traffic noise to at least two impacted receptors.
- Must consider design, construction, safety, access, ROW constraints, maintenance, drainage, and utility factors.

Reasonableness Criteria:

- Must meet FDOT's Noise Reduction Design Goal (NRDG), reducing noise at least 7 dB(A) for at least one benefited receptor.
- Must satisfy FDOT's cost threshold of \$64,000 per benefited receptor (defined as a receptor receiving at least a 5 dB(A) reduction). The current unit cost used to evaluate cost reasonableness is \$40 per square foot, covering materials and labor.
- Must incorporate community feedback from affected property owners and residents.

Within the project limits, noise barrier locations were assessed based on the following criteria:

- Non-shoulder noise barriers located outside the clear recovery zone but within the ROW were initially considered at heights ranging from 8 to 22 feet in 2-foot increments.
- If a non-shoulder noise barrier could not provide feasible and reasonable abatement for an impacted receptor, a shoulder noise barrier was evaluated.
 - When placed on a structure (e.g., bridge, retaining wall), a shoulder noise barrier was limited to a maximum height of 8 feet.
 - When located on an embankment or ground-mounted, the maximum height was 14 feet.
- In certain locations, shoulder noise barriers were also restricted to 8 feet as they were classified as "on-structure" barriers.

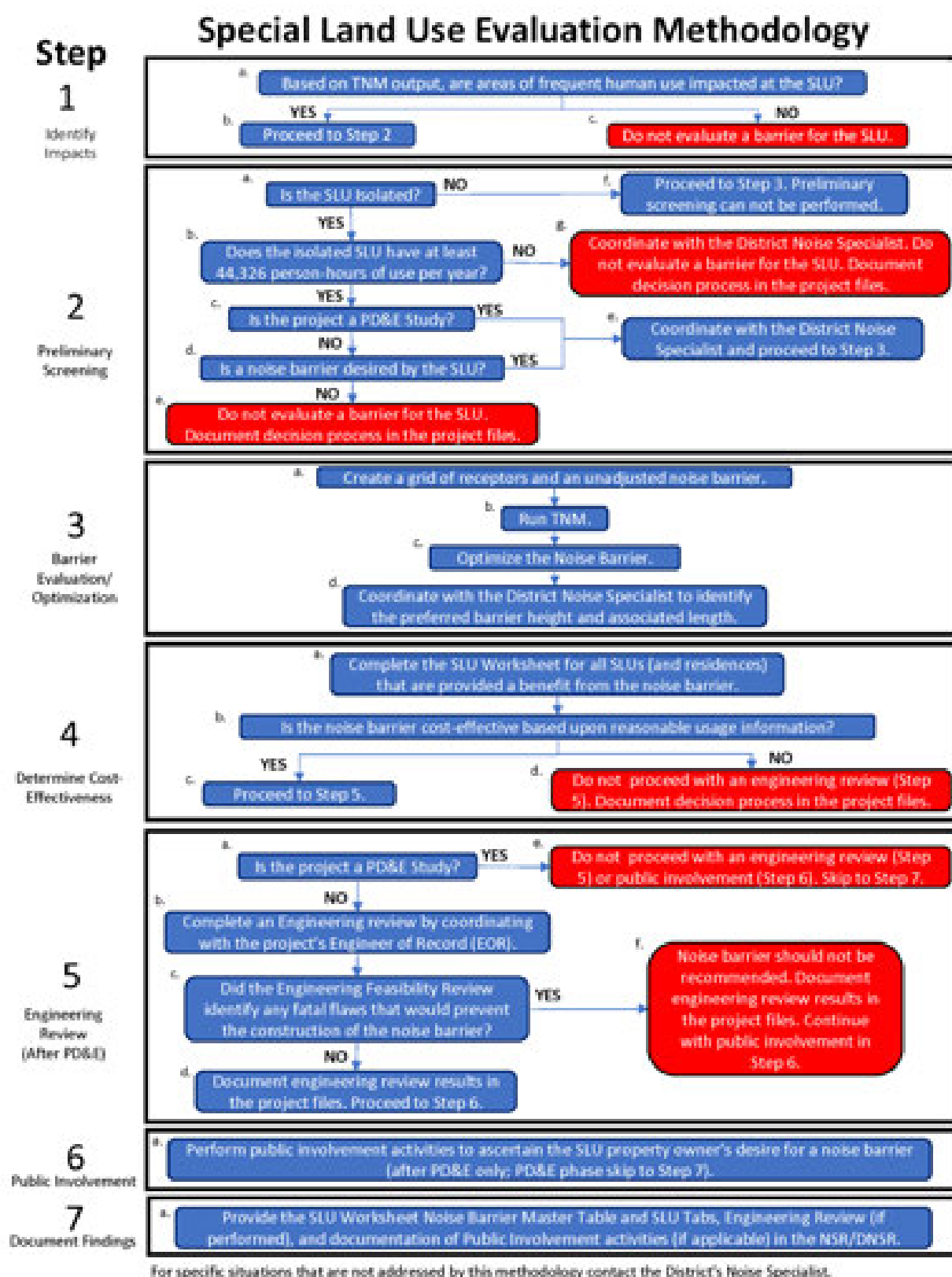
As part of the evaluation process, noise barriers for each CNE were analyzed to determine the maximum number of impacted receptors that could potentially receive at least a 5 dB(A) reduction in traffic-related noise. However, site-specific constraints, such as overhead utilities, could limit the effectiveness of these barriers, preventing all impacted receptors from achieving the full 5 dB(A) reduction. Additional details regarding receptor impacts are provided in subsequent sections.

In some locations, noise barriers may also provide benefits to non-impacted receptors. Since noise abatement is not required for these receptors, barrier lengths or heights are not increased solely to enhance their benefits. However, if a non-impacted receptor receives noise reduction due to its proximity to an impacted receptor, it is included in the cost-reasonableness analysis based on cost per benefited receptor. This methodology aligns with FHWA policy and guidance.

3.4 Special Use Site Analysis

FDOT's *Methodology to Evaluate Highway Traffic Noise at Special Land Uses*⁵ replaces the previous 1997/2009 guidance and addresses several limitations in the former approach. This comprehensive seven-step process (as shown in Figure 3) begins with identifying impacts at non-residential special land use (SLU) noise sensitive sites in FHWA's NAC Activity Categories A, C, D, and E. There is also an optional preliminary screening process to reduce unnecessary analysis of isolated, low-usage SLUs that historically wouldn't qualify for noise abatement.

Figure 3 – SLU Methodology Flowchart



A change in the new methodology is the Equivalent Residence (ER) approach, which allows for combined evaluation of impacted SLUs and adjacent impacted residential areas. This calculation converts SLU usage to residential equivalents based on person-hours of use. One ER equals 22,163 person-hours annually (calculated from an average Florida residence with 2.53 people available 24 hours daily year-round). The subsequent steps include TNM barrier evaluation and optimization, cost-effectiveness determination using the FDOT SLU Worksheet with a current reasonableness threshold of \$64,000 per benefited residence or ER, engineering feasibility review (during design phase), public involvement, and documentation of findings. The SLU ER calculation worksheets are provided in Appendix E.

3.5 Common Noise Environments on Northbound Side of Suncoast Parkway

3.5.1 Leclare Estates and Single-Family Residences (CNE NB01)

Leclare Estates and scattered single family residences are located on the northbound side of Suncoast Parkway (CNE NB01) from Lake Le Clare Road to Veterans Expressway. This area is shown on sheets 1-2 of the project aerials located in Appendix D. The noise model includes 33 NAC B receptor points representing 34 residential sites. Predicted noise levels at nine residences are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for residential sites are provided in Appendix B-1.

Noise barriers were evaluated for these residential sites to mitigate traffic-related noise. Based on this evaluation, none of the potential noise barrier systems analyzed could meet the cost threshold of \$64,000 per benefited residence. The reason is that the receptors are low-density and spread out over a lengthy distance requiring a comparatively costly barrier relative to the number of homes benefited. Therefore, noise barriers are not considered a reasonable and feasible option for these residential sites. Table 3-2 summarizes the barrier configurations evaluated for CNE NB01.

Table 3-2 – LeClaire Estates and Single-Family Residences (CNE NB01)

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Res. Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited Residence
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	2220	ROW ⁶	9	4	0	5	9	0	9	7.1	0	\$2,786,400	\$309,600
14	1430	SH ⁷											
8	100	SH ⁷											
22	1490	ROW ⁶	9	1	1	2	4	0	4	7.4	5	\$1,311,200	\$327,800
20	1490	ROW ⁶	9	0	1	2	3	0	3	7.5	6	\$1,192,000	\$397,333
18	1490	ROW ⁶	9	1	1	1	3	0	3	6.6	6	\$1,072,800	\$357,600
16	1490	ROW ⁶	9	0	2	0	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸
20	1490	ROW ⁶	9	2	0	3	5	0	5	7.1	4	\$1,584,000	\$316,800
14	700	SH ⁷											

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft²

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

⁷ SH – Shoulder noise barrier along SH of Suncoast Parkway.

⁸ Noise barrier system did not meet the noise reduction design goal of a 7 dB(A) reduction at any receptor, so no further analysis was conducted.

3.5.2 Hidden Oaks Townhomes and Magnolia Manor Assisted Living (CNE NB02)

Hidden Oaks Townhomes and Magnolia Manor Assisted Living are located on the northbound side of Suncoast Parkway (CNE NB02) between Veterans Expressway and Van Dyke Road. This area is shown on sheet 2 of the project aerials located in Appendix D. The noise model includes 40 NAC B receptor points representing 112 residential sites, and one NAC C receptor (0.59 ERs) representing outdoor seating at Magnolia Manor Assisted Living (located outside of the aerial mapping view). Predicted noise levels at 26 residences are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for residential sites are provided in Appendix B-1 and for SLU sites in Appendix B-2 and the SLU ER calculations are provided in Appendix E on sheet NB02-01.

Noise barriers were evaluated for the residences at Hidden Oaks Townhomes to abate traffic-related noise. Based on this evaluation, a potential noise barrier system located along the right-of-way and outer edge of the northbound shoulder could provide a 7 dB(A) reduction at one or more receptors and a 5 dB(A) reduction at two or more impacted receptors. This noise barrier will not exceed the allowable \$64,000 per benefited receptor and therefore, noise barriers are a cost reasonable method to abate traffic-related noise impacts for the residences in CNE NB02. The ROW noise barrier analyzed in this area is the maximum height while the shoulder is reduced to 10 feet. Lengths were also determined to be constructable. Table 3-3 summarizes the barrier configuration evaluated for CNE NB02.

Table 3-3 – Hidden Oaks Townhomes (CNE NB02)

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Res. Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited Residence
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	1500	ROW ⁶	26	8	2	16	26	2	28	8.9	0	\$1,400,000	\$50,000
10	200	SH ⁷											

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft².

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

⁷ SH – Shoulder noise barrier along SH of Suncoast Parkway.

3.5.3 Lake Carlton Arms (CNE NB03)

Lake Carlton Arms is located on the northbound side of Suncoast Parkway (CNE NB03) between Van Dyke Road and Ramblewood Road. This area is shown on sheets 2-4 of the project aerials located in Appendix D. The noise model includes 214 NAC B receptor points representing 704 residential sites. Predicted noise levels at 10 residences are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for residential sites are provided in Appendix B-1.

Noise barriers were evaluated for these residential sites to abate traffic-related noise. Based on this evaluation, none of the potential noise barrier systems analyzed could provide a 7 dB(A) reduction to one or more receptors. This is likely due to both the barrier and the receptors being set well back from the roadway, the barrier base sitting below the elevation of both the roadway and the residential building foundations, and the occurrence of impacts at second-floor elevations, which reduces the noise reduction achievable compared to receptors at ground level. For this reason, noise barriers are not a reasonable and feasible option for providing noise abatement at these residential sites. Table 3-4 summarizes the barrier configuration evaluated for CNE NB03.

Table 3-4 – Lake Carlton Arms (CNE NB03)

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Res. Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited Residence
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	3020	ROW ⁶	10	0	0	0	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸
14	2130	SH ⁷	10	8	0	0	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸
22	700	ROW ⁶	10	6	4	0	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸	n/a ⁸
14	1080	SH ⁷											

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft²

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

⁷ SH – Shoulder noise barrier along SH of Suncoast Parkway.

⁸ Noise barrier system did not meet the noise reduction design goal of a 7 dB(A) reduction at any receptor, so no further analysis was conducted.

3.5.4 Lake Carlton Arms Tennis Courts, Basketball Courts, and Pool (CNE NB03)

Lake Carlton Arms is located on the northbound side of Suncoast Parkway (CNE NB03) between Van Dyke Road and Ramblewood Road. This area is shown on sheets 2-4 of the project aerials located in Appendix D. The noise model includes seven NAC C receptors (5.83 ERs) representing tennis courts, basketball courts, and a pool area. Noise levels are not expected to approach or exceed the NAC for the Build Condition in Design Year 2050 at any of the SLU receptors. For this reason, noise abatement was not considered for the Lake Carlton Arms SLUs. The predicted noise levels for SLU sites in Appendix B-2 and the SLU ER calculations are provided in Appendix E on sheets NB03-01, NB03-02, and NB03-03.

3.5.5 Cheval West Village and Golf Course – East of Suncoast Parkway (CNE NB04)

Cheval West Village and the adjoining golf course are located on the northbound side of Suncoast Parkway (CNE NB04) between Ramblewood Road and Lutz Lake Fern Road. The portion of the Cheval West community on the southbound side of the Suncoast Parkway is discussed below in Section 3.6.3. The existing 8-foot-tall shoulder noise barrier serving this community will need to be removed as part of the project. This area is shown on sheets 4-6 of the project aerials located in Appendix D.

The noise model includes 111 NAC B receptor points representing 240 residences and 12 NAC C receptors (11.04 ERs) within the adjacent golf course. Predicted noise levels at 109 residences and 7 SLU receptors (6.44 ERs) for a total of 115.44 ERs are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for residences are provided in Appendix B-1 and for SLU sites in Appendix B-2 and the SLU ER calculations are provided in Appendix E on sheet NB04-01.

Noise barriers were evaluated for the residences at Cheval West Village and golf course using FDOT's *Methodology to Evaluate Highway Traffic Noise at Special Land Uses*⁵. Based on this evaluation, a

potential noise barrier system located along the outer edge of the northbound shoulder could provide a 7 dB(A) reduction at one or more receptors and a 5 dB(A) reduction at two or more impacted receptors. This noise barrier will not exceed the allowable \$64,000 per benefited receptor and therefore, noise barriers are a cost reasonable method to abate traffic-related noise impacts for the residences in CNE NB04. The noise barriers analyzed in this area are the maximum height and lengths that were determined to be constructable. Table 3-5 summarizes the barrier configuration evaluated for CNE NB04.

Table 3-5 – Cheval West Village and Golf Course – East of Suncoast Parkway (CNE NB04)

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted ERs			Number of Benefited ERs				Impacted ERs Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited ER
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	3610	ROW ⁶	115.44	30.92	26.92	48.68	106.52	35.84	142.36	7.8	8.92	\$5,712,000	\$40,124
14	4470	SH ⁷											
8	100	SH ⁷											
22	2470	ROW ⁶	115.44	7	5	29	41	0	41	7.4	74.44	\$2,173,600	\$53,015
14	100	SH ⁷	115.44	23.92	16.92	32.60	73.44	55.84	129.28	6.8	42.00	\$3,472,000	\$26,856
8	150	SH ⁷											
14	2900	SH ⁷											
8	200	SH ⁷											
14	2230	SH ⁷											
8	210	SH ⁷											
14	350	SH ⁷											
14	300	SH ⁷											

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft²

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

⁷ SH – Shoulder noise barrier along SH of Suncoast Parkway.

3.5.6 Steinbrenner High School (CNE NB05)

Steinbrenner High School is located on the northbound side of Suncoast Parkway (CNE NB05) north of Lutz Lake Fern Road. This area is shown on sheets 6-7 of the project aerials located in Appendix D. The noise model includes 161 NAC C receptor points representing outdoor use sites including baseball, soccer, and football fields, with additional points added for bleachers and other specific points of use. Predicted noise levels at 51 outdoor use sites are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for SLU sites are provided in Appendix B-2, and the SLU ER calculations are provided in Appendix E on sheets NB05-01 and NB05-02.

Person-hours of use were calculated following FDOT SLU guidelines. Regular school attendance outdoor usage assumptions included 2,500 students, each utilizing the outdoor areas approximately 1 hour per

day, 5 days per week, for 36 weeks per year, totaling 450,000 person-hours annually. After-school sports practices and home games added approximately 57,070 person-hours per year, with additional spectator attendance contributing about 36,800 person-hours annually (18,400 spectators at 2 hours per event). The overall calculated annual person-hour usage for Steinbrenner High School was therefore approximately 543,870 person-hours, substantially exceeding FDOT's minimum requirement of 44,326 person-hours per year. This translates to an ER value of 24.15 for the full site. Noise impacts are predicted at 51 SLU receptors, which translates to an impacted ER value of 7.65.

Noise barriers were evaluated following FDOT's *Methodology to Evaluate Highway Traffic Noise at Special Land Uses*⁵. TNM barrier optimization modeling was conducted for a potential barrier along the northbound outer shoulder edge. This barrier configuration achieved the Noise Reduction Design Goal (NRDG) by providing a reduction of at least 7 dB(A) at one or more receptors and at least a 5 dB(A) reduction across the entire impacted area. However, the barrier's lowest evaluated cost was \$195,876 per benefited ER, significantly exceeding FDOT's allowable cost threshold of \$64,000 per ER. Therefore, the barrier is considered not cost reasonable, and no further evaluation of engineering feasibility or public involvement was necessary.

Although Steinbrenner High School has high overall outdoor usage, the receptors predicted to be impacted are located in peripheral zones, such as the outer edges of the tennis courts, baseball, and soccer fields, which do not receive consistent or concentrated use. These areas generate relatively few person-hours of use compared to the rest of the site, resulting in a low number of benefited ERs. Consequently, the amount of barrier required to achieve abatement in these dispersed areas drives the cost per benefited ER well beyond the acceptable threshold. Detailed results of evaluated noise barrier scenarios are summarized in Table 3-6.

Table 3-6 – Steinbrenner High School (CNE NB05)

Height (feet)	Length ¹ (feet)	Location	No. of Impacted ER's	Impacted and Benefited ERs	Benefited ERs	Average Reduction dB(A)	Total Cost ²	Cost per Benefited ER	Barrier Reasonable and Feasible?
14	3,000	SH ³	7.65	7.65	11.85	7.1	\$2,206,400	\$186,194	No
14	940	SH ³							
12	3,000	SH ³	7.65	7.05	9.15	6.5	\$1,891,200	\$206,689	No
12	940	SH ³							
14	2,700	SH ³	7.65	6.30	6.30	6.3	\$1,870,400	\$296,889	No
14	640	SH ³							

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Unit cost of \$40/ft²

³ SH – Shoulder noise barrier along SH of Suncoast Parkway

3.5.7 Villa Rosa and Sierra Pines (CNE NB06)

Villa Rosa and Sierra Pines are located on the northbound side of Suncoast Parkway (CNE NB06) from the Hillsborough and Pasco County line to the Mettler-Toledo building. This area is mostly outside of the mapping limits of sheets 7-8 of the project aerials located in Appendix D.

The noise model includes 19 NAC B receptor points representing 30 residential sites. Predicted noise levels are not expected to approach or exceed the NAC for the Build Condition in Design Year 2050. Therefore, no noise barriers were evaluated to abate traffic-related noise. The predicted noise levels for residential sites are provided in Appendix B-1.

3.5.8 The Iris at Northpointe (CNE NB08)

The Iris at Northpointe is located on the northbound side of Suncoast Parkway (CNE NB08) east of Northpointe Parkway. This area is located just outside of the mapping limits of sheet 9 of the project aerials located in Appendix D.

The noise model includes six NAC B receptor points representing 72 residential sites and one NAC C receptor (1.75 ERs) representing one outdoor pool. Predicted noise levels are not expected to approach or exceed the NAC for the Build Condition in Design Year 2050. Therefore, no noise barriers were evaluated to abate traffic-related noise. The predicted noise levels for residential sites are provided in Appendix B-1 and for SLU sites in Appendix B-2 and the SLU ER calculations are provided in Appendix E on sheet NB08-01.

3.5.9 Residence Inn, Hampton Garden Inn, Carrabba's, Bangkok Sushi, San Jose Mexican Restaurant, International Beer Garden, and Glory Days Grill (CNE NB09)

Residence Inn, Hampton Garden Inn, Carrabba's, Bangkok Sushi, San Jose Mexican Restaurant, International Beer Garden, and Glory Days Grill are located on the northbound side of Suncoast Parkway (CNE NB09) south of State Road 54. This area is shown on sheet 10 of the project aerials located in Appendix D.

The noise model includes eight NAC E receptor points (12.18 ERs) representing outdoor seating at the restaurants and outdoor use at the hotel pools. Predicted noise levels are not expected to approach or exceed the NAC for the Build Condition in Design Year 2050. Therefore, no noise barriers were evaluated to abate traffic-related noise. The predicted noise levels for SLU sites are provided in Appendix B-2, and the SLU ER calculations are provided in Appendix E on sheets NB09-01 through NB09-07.

3.5.10 Single-Family Residence (CNE NB10)

An individual single-family residence is located on the northbound side of Suncoast Parkway (CNE NB10) north of State Road 54. This area is shown on sheet 10 of the project aerials located in Appendix D. The noise model includes one NAC B receptor point representing one residential site. Noise levels for this individual residence are predicted to approach or exceed the NAC for the Build condition in the design year (2050). Because a minimum of two impacted noise sensitive locations must be benefitted for noise

abatement to be feasible, noise abatement was not considered for this CNE. Additionally, the noise impact at this receiver is likely a product of its proximity to State Road 54. The predicted noise levels for residential sites are shown in Appendix B-1.

3.5.11 Bexley South (CNE NB12)

Bexley South is located on the northbound side of Suncoast Parkway (CNE NB12) from north of Sandy Branch to south of Anclote River. This area is shown on sheets 14-15 of the project aerials located in Appendix D. The noise model includes 28 NAC B receptor points representing 81 residential sites. Predicted noise levels are not expected to approach or exceed the NAC for the Build Condition in Design Year 2050. Therefore, no noise barriers were evaluated to abate traffic-related noise. The predicted noise levels for residential sites are provided in Appendix B-1.

3.5.12 Deerfield Lakes (CNE NB16)

Deerfield Lakes is located on the northbound side of Suncoast Parkway (CNE NB16) north of State Road 52. This area is shown on sheets 27-28 of the project aerials located in Appendix D. The noise model includes 63 NAC B receptor points representing 167 residential sites. Predicted noise levels at 19 residences in the southern portion of the community and one residence at the far northern end of the community are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for residential sites are provided in Appendix B-1.

Noise barriers were evaluated for the 19 impacted residences in the southern portion of the neighborhood to abate traffic-related noise. Based on this evaluation, a potential noise barrier system located along right-of-way and the outer edge of the northbound shoulder serving the southern portion of the community where multiple impacts were identified could provide a 7 dB(A) reduction at one or more receptors and a 5 dB(A) reduction at two or more impacted receptors. This noise barrier will not exceed the allowable \$64,000 per benefited receptor and therefore, noise barriers are a cost reasonable method to abate traffic-related noise impacts for the residences in CNE NB16. The noise barriers analyzed in this area consist of a maximum height and length shoulder barrier and a 20-foot-tall right-of-way barrier, which were determined to be constructable and cost reasonable at those heights. Table 3-7 summarizes the barrier configuration evaluated for CNE NB16.

Noise abatement was not considered for the non-impacted residences within Deerfield Lakes north of the proposed noise abatement per FDOT policy, which requires noise abatement to focus on areas of impact. In addition, a single residence at the northern portion of the community (receptor RNB16-046) was identified as impacted. Because a minimum of two impacted noise sensitive locations must be benefitted for noise abatement to be feasible, noise abatement was not considered for this residence. Because the noise abatement for the southern portion of the community was close to the cost limit, it would not be cost reasonable to extend that wall to the impacted residence at the northern end of the community.

It should be noted that because the 20-foot ROW noise barrier system noise barrier falls just below the cost-reasonable limit of \$64,000 per benefited receptor, additional analysis will be necessary in the design phase to confirm that this barrier still meets this criterion with any changes made to the current concept in future design.

Table 3-7 – Deerfield Lakes – Southern Portion (CNE NB16)

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Res. Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited Residence
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	1070	ROW ⁶	19	2	3	14	19	0	19	8.3	0	\$1,266,400	\$66,653
14	580	SH ⁷											
20	1070	ROW ⁶	19	2	3	14	19	0	19	7.9	0	\$1,180,800	\$62,147
14	580	SH ⁷											

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft²

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

⁷ SH – Shoulder noise barrier along SH of Suncoast Parkway.

3.6 Common Noise Environments on the Southbound Side of Suncoast Parkway

3.6.1 Lake Keystone (CNE SB01)

Lake Keystone is located on the southbound side of Suncoast Parkway (CNE SB01) from north of Lake Le Clare Road. This area is shown on sheets 1-2 of the project aerials located in Appendix D. The noise model includes 18 NAC B receptor points representing 28 residential sites, about half of which are beyond the limits of the mapping. Predicted noise levels at three residences are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. Of these three impacted residences, there are two areas of impact, a pair of impacted receptors near Lake LeClaire Road and an isolated impacted residence about a half mile further to the north. Because a minimum of two impacted noise sensitive residences must be benefitted for noise abatement to be feasible, noise abatement was not considered for the northern most isolated receptor.

Noise barriers were evaluated for the two impacted residences near Lake Le Clare Road to abate traffic-related noise. Based on this evaluation, a maximized combined ROW and Shoulder noise barrier system could not benefit at least two impacted receptors by at least 5 dB(A). The reason is most likely the elevation difference between the homes and the Suncoast Parkway as well as noise barrier height and placement restrictions related to the Lake La Claier Road overpass. For this reason, noise barriers are not a reasonable and feasible option for providing noise abatement at these residential sites. Table 3-8 summarizes the barrier configuration evaluated for CNE SB03.

Table 3-8 – Lake Keystone (CNE SB01)

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Res. Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited Residence
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	900	ROW ⁶	2	1	0	0	1	0	1	n/a	n/a	n/a	n/a
14	1100	SH ⁷											

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft².

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

⁷ SH – Shoulder noise barrier along SH of Suncoast Parkway.

3.6.2 Zambito Estates (SB03)

Zambito Estates is located on the southbound side of Suncoast Parkway (CNE SB03) between Van Dyke Road and Ramblewood Road. This area is shown on sheets 3-4 of the project aerials located in Appendix D. The noise model includes 10 NAC B receptor points representing 10 residential sites, most of which are beyond the limits of the mapping. Predicted noise levels at three residences are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for residential sites are provided in Appendix B-1.

Noise barriers were evaluated for these residential sites to abate traffic-related noise. Based on this evaluation, none of the potential noise barrier systems analyzed could meet the cost threshold of \$64,000 per benefited residence. The reason is the sparse density of homes and the distance the homes are set back from the roadway, requiring a comparatively lengthy and costly barrier relative to the number of benefited receptors. For this reason, noise barriers are not a reasonable and feasible option for providing noise abatement at these residential sites. Table 3-9 summarizes the barrier configuration evaluated for CNE SB03.

Table 3-9 – Zambito Estates (CNE SB03)

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Res. Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited Residence
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	1700	ROW ⁶	3	2	0	1	3	0	3	7.5	0	\$1,804,000	\$601,333
14	550	SH ⁷											
22	1500	ROW ⁶	3	1	0	1	2	0	2	7.5	1	\$1,320,000	\$660,000
12	2290	SH ⁷	3	1	0	1	2	0	2	6.9	1	\$1,099,200	\$549,600

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft².

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

⁷ SH – Shoulder noise barrier along SH of Suncoast Parkway.

3.6.3 Cheval West Village – West of Suncoast Parkway (CNE SB04)

Cheval West Village is located on the southbound side of Suncoast Parkway (CNE SB04) between Ramblewood Road and Lutz Lake Fern Road. The portion of the Cheval West community on the northbound side of the Suncoast Parkway is discussed below in Section 3.5.5. The existing 8-foot-tall shoulder noise barrier serving this community will need to be removed as part of the project. This area is shown on sheets 4-6 of the project aerials located in Appendix D.

This area is shown on sheets 4-6 of the project aerials located in Appendix D. The noise model includes 100 NAC B receptor points representing 210 residential sites, and one NAC C receptor (0.82 ERs) representing a neighborhood playground. Predicted noise levels at 107 residences and the neighborhood playground (0.82 ERs) are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for residential sites are provided in Appendix B-1, SLU sites in Appendix B-2, and the SLU ER calculations are provided in Appendix E on sheet SB04-01.

Noise barriers were evaluated for the residences at Cheval West Village using FDOT's *Methodology to Evaluate Highway Traffic Noise at Special Land Uses*⁵. Based on this evaluation, a potential noise barrier system located along the outer edge of the southbound shoulder could provide a 7 dB(A) reduction at one or more receptors and a 5 dB(A) reduction at two or more impacted receptors. This noise barrier will not exceed the allowable \$64,000 per benefited receptor and therefore, noise barriers are a cost reasonable method to abate traffic-related noise impacts for the residences in CNE SB04. The noise barriers analyzed in this area are the maximum height and lengths were also determined to be constructable. Table 3-10 summarizes the barrier configuration evaluated for CNE SB04.

Table 3-10 – Cheval West Village– West of Suncoast Parkway (CNE SB04)

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Res. Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited Residence
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	2960	ROW ⁶	107.82										
14	5980	SH ⁷		13.00	19.00	62.82	94.82	32.00	126.82	8.3	13.00	\$6,017,600	\$47,450
8	200	SH ⁷											
22	2960	ROW ⁶	107.82	17.00	6.00	5.82	28.82	0.00	28.82	6.2	79.00	\$2,604,800	\$90,382
14	5660	SH ⁷	107.82										
8	520	SH ⁷		15.00	21.00	54.82	90.82	38.00	128.82	7.6	17.00	\$3,336,000	\$25,897

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft²

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

⁷ SH – Shoulder noise barrier along SH of Suncoast Parkway.

3.6.4 Tarramor, Ivy Lake Estates, Tuscano at Suncoast Crossings, and Discovery Point Suncoast Crossings (CNE SB05 and SB06)

Tarramor, Ivy Lake Estates, Tuscano at Suncoast Crossings, and Discovery Point Suncoast Crossings are located on the southbound side of Suncoast Parkway (CNE SB05 and SB06) north of Lutz Lake Fern Road to south of State Road 54. This area is shown on sheets 6-9 of the project aerials located in Appendix D. The noise model includes 230 NAC B receptor points representing 551 residential sites and 12 NAC C receptors (8.10 ERs) representing outdoor use at the community pools and an outdoor play area at Discovery Point. Predicted noise levels at 241 residences and six SLU receptors (4.05 ERs) are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for residential sites are provided in Appendix B-1, SLU sites in Appendix B-2, and the SLU ER calculations are provided in Appendix E on sheets SB05-01, SB05-02, and SB06-01.

Noise barriers were evaluated for residential and SLU impacts at Tarramor, Ivy Lake Estates, Tuscano at Suncoast Crossings, and Discovery Point Suncoast Crossings following FDOT's *Methodology to Evaluate Highway Traffic Noise at Special Land Uses*⁵. Based on this evaluation, a potential noise barrier system located along the right-of-way and outer edge of the southbound shoulder could provide a 7 dB(A) reduction at one or more receptors and a 5 dB(A) reduction at two or more impacted receptors. This noise barrier will not exceed the allowable \$64,000 per benefited receptor and therefore, noise barriers are a cost reasonable method to abate traffic-related noise impacts for the residences and outdoor use sites in CNE SB05 and SB06. The noise barriers analyzed in this area are the maximum height and lengths were also determined to be constructable. Table 3-11 summarizes the barrier configuration evaluated for CNE SB05 and SB06.

**Table 3-11 – Tarramor, Ivy Lake Estates, Tuscano at Suncoast Crossings, and Discovery Point
Suncoast Crossings (CNE SB05 and SB06)**

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted ERs			Number of Benefited ERs				Impacted ERs Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited ER
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	5720	ROW ⁶	245.05										
14	2530	SH ⁷		25.00	34.05	186.00	245.05	193.59	438.64	8.4	0	\$7,290,400	\$16,620
14	1500	SH ⁷											

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft²

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

⁷ SH – Shoulder noise barrier along SH of Suncoast Parkway.

3.6.5 Chili's Grill and Bar and Starbucks (CNE SB06)

Chili's Grill and Bar and Starbucks are located on the southbound side of Suncoast Parkway (CNE SB06) south of State Road 54. This area is shown on sheet 10 of the project aerials located in Appendix D.

Noise barriers were evaluated following FDOT's *Methodology to Evaluate Highway Traffic Noise at Special Land Uses*⁵.

The noise model includes two NAC E receptor points (2.32 ERs) representing outdoor seating at the restaurants. Predicted noise levels are not expected to approach or exceed the NAC for the Build Condition in Design Year 2050. Therefore, no noise barriers were evaluated to abate traffic-related noise. The predicted noise levels for SLU sites are provided in Appendix B-2, and the SLU ER calculations are provided in Appendix E on sheets SB06-02 and SB06-03.

3.6.6 South Branch Preserve (CNE SB07)

South Branch Preserve is located on the southbound side of Suncoast Parkway (CNE SB07) between north of State Road 54 and Rangeline Road. This area is shown on sheets 10-12 of the project aerials located in Appendix D. The noise model includes 142 NAC B receptor points representing 614 residential sites, and five NAC C receptors (14.87 ERs) representing outdoor uses at the South Branch playground and pool. Predicted noise levels at 120 residences are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for residential sites are provided in Appendix B-1 and for SLU sites in Appendix B-2 and the SLU ER calculations are provided in Appendix E on sheets SB07-01 and SB07-02.

Noise barriers were evaluated following FDOT's *Methodology to Evaluate Highway Traffic Noise at Special Land Uses*⁵.

Noise barriers were evaluated for the residences at South Branch Preserve to abate traffic-related noise. Based on this evaluation, a potential noise barrier system located along the right-of-way could provide a 7 dB(A) reduction at one or more receptors and a 5 dB(A) reduction at two or more impacted receptors. This noise barrier will not exceed the allowable \$64,000 per benefited receptor and therefore, noise barriers are a cost reasonable method to abate traffic-related noise impacts for the residences in CNE SB07. The noise barriers analyzed in this area are the maximum height and lengths were also determined to be constructable. Table 3-12 summarizes the barrier configuration evaluated for CNE SB07.

Table 3-12 – South Branch Preserve (CNE SB07)

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Res. Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited Residence
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	4240	ROW ⁶	120	19	30	71	120	54	174	8.2	0	\$4,347,200	\$24,984
22	700	ROW ⁶											

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft²

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

3.6.7 Suncoast Lakes (CNE SB09)

Suncoast Lakes is located on the southbound side of Suncoast Parkway (CNE SB09) from Station 3732+00 to Station 3761+00. This area is shown on sheets 24-26 of the project aerials located in Appendix D. The noise model includes 45 NAC B receptor points representing 145 residential sites. Noise levels at 11 residences are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for residential sites are provided in Appendix B-1.

Noise barriers were evaluated for impacted residences in the southernmost portion of Suncoast Lakes to abate traffic-related noise. Based on this evaluation, a potential noise barrier system located along the right-of-way could provide a 7 dB(A) reduction at one or more receptors and a 5 dB(A) reduction at two or more impacted receptors. This noise barrier will not exceed the allowable \$64,000 per benefited receptor and therefore, noise barriers are a cost reasonable method to abate traffic-related noise impacts for the residences in CNE SB09. The noise barrier analyzed in this area is the maximum height and length determined to be constructable. It should be noted that because the noise barrier falls exactly at the cost-reasonable limit of \$64,000 per benefited receptor, additional analysis will be necessary in the design phase to confirm that this barrier still meets this criterion with any changes made to the current concept in future design. In addition, this community has access from Pond Rush Court to the Suncoast Trail. During the design phase, it may be necessary to consider alternative designs

to enable residents to continue to access the trail with the installation of a noise barrier. Table 3-13 summarizes the barrier configuration evaluated for CNE SB09.

Table 3-13 – Suncoast Lakes (CNE SB09)

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Res. Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited Residence
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	800	ROW ⁶	11	3	3	5	11	0	11	8.5	0	\$704,000	\$64,000

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft²

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

3.6.8 Lone Star Townhomes and Lone Star Ranch (CNE SB10)

Lone Star Townhomes and Lone Star Ranch are located on the southbound side of Suncoast Parkway (CNE SB10) north of State Road 52. This area is shown on sheets 26-27 of the project aerials located in Appendix D. The noise model includes 68 NAC B receptor points representing 224 residential sites, and one NAC C receptor (1.75 ERs) representing outdoor use at the Lone Star community pool. Predicted noise levels at 18 residences are expected to approach or exceed the NAC for the Build Condition in Design Year 2050. The predicted noise levels for residential sites are provided in Appendix B-1 and for SLU sites in Appendix B-2 and the SLU ER calculations are provided in Appendix E on sheet SB10-01.

Noise barriers were evaluated for the residences in Lone Star Townhomes and Lone Star Ranch to abate traffic-related noise. Based on this evaluation, a potential noise barrier system located along the right-of-way could provide a 7 dB(A) reduction at one or more receptors and a 5 dB(A) reduction at two or more impacted receptors. This noise barrier will not exceed the allowable \$64,000 per benefited receptor and therefore, noise barriers are a cost reasonable method to abate traffic-related noise impacts for the residences and outdoor use sites in CNE SB10. The noise barriers analyzed in this area are the maximum height and lengths were also determined to be constructable. Table 3-14 summarizes the barrier configuration evaluated for CNE SB10.

Table 3-14 – Lone Star Townhomes and Lone Star Ranch (CNE SB10)

Height (feet)	Length ¹ (feet)	Location	No. of Impacts	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Res. Not Benefited ⁴	Total Estimated Cost ⁵	Cost per Benefited Residence
				5-5.9 dB(A)	6.0-6.9 dB(A)	> 7 dB(A)	Impacted ²	Not Impacted ³	Total	Average Reduction dB(A)			
22	2250	ROW ⁶	18	4	1	13	18	31	49	7.9	0	\$1,980,000	\$40,408

¹ Full height is for the length indicated. If a shoulder noise barrier location is indicated, the length of vertical height tapers at the shoulder barrier's terminus (See FDOT Standard Plans) would be in addition to the length indicated.

² Benefited residences with predicted noise levels that approach or exceed the NAC.

³ Benefited residences with predicted noise levels that do not approach the NAC.

⁴ Impacted residences that do not receive a minimum 5 dB(A) reduction from proposed noise barrier.

⁵ Unit cost of \$40/ft²

⁶ ROW – Right of Way noise barrier on Suncoast Parkway.

4.0 CONCLUSIONS

Within the project limits, noise levels were predicted at 1,128 NAC B receptors representing 3,223 residences and 211 NAC C and E SLU receptors across 23 locations, representing a combined 83.40 ERs. Of these, 663 residences and 18.81 ERs from SLU receptors are predicted to approach or exceed the NAC under the 2050 Build condition and are therefore considered impacted.

Noise barriers were evaluated for the impacted noise sensitive sites. The results of the noise barrier evaluation conclude that noise barriers (see Table 4-1 for more detail on the noise barriers) are a feasible and reasonable method to abate traffic-related noise impacts for eight noise sensitive areas and will provide at least a 5 dB(A) benefit to 630 impacted residences and 13 non-residential sites.

4.1 Statement of Likelihood

FTE is committed to the construction of feasible and reasonable noise abatement measures. Eight potentially feasible and reasonable noise barrier systems have been identified for this project contingent upon the following conditions:

- Final recommendations on the construction of abatement measures are determined during the project's final design and through the public involvement process.
- Detailed noise analyses during the final design process support the need, feasibility, and reasonableness of providing abatement.
- Cost analysis indicates that the cost of the noise barrier(s) will not exceed the cost reasonable criterion.
- Community input supporting types, heights, and locations of the noise barrier(s) is provided to FTE; and
- Safety and engineering aspects have been reviewed and any conflicts or issues resolved.

A land use review will be performed during the design phase to identify all noise sensitive sites that may have received a building permit subsequent to the noise study, but prior to the project's DPK. The date that the SEIR is approved by FTE will be the DPK. If the review identifies noise sensitive sites that have been permitted prior to the DPK, then those sensitive sites will be evaluated during the design phase for traffic noise impacts and abatement considerations.

Table 4-1 – Noise Barrier Evaluation Summary

Noise Barrier System (CNEs included in barrier system)	Number of Impacted ERs	Noise Barrier Approx. Begin Station	Noise Barrier Approx. End Station	Noise Barrier Height (ft.)	Noise Barrier Length (ft.) ¹	Noise Barrier Location	Total Preliminary Barrier Cost ²	Number of ERs Potentially Benefited by a Noise Barrier		Total Noise Barrier System Cost Per Benefited ER
								Impacted	Total ³	
#1 (NB02) Hidden Oaks Townhomes	26	3036+00	3044+00	22	1500	ROW ⁴	\$1,400,000	26	28	\$50,000
		3042+00	3044+00	10	200	SH ⁵				
#2 (NB04) Cheval West Village – East of Suncoast Parkway	115.44	3105+50	3106+50	14	100	SH ⁵	\$3,472,000	73.44	129.28	\$26,856
		3106+50	3108+00	8	150	SH ⁵				
		3108+00	3137+10	14	2900	SH ⁵				
		3137+10	3139+10	8	200	SH ⁵				
		3139+10	3162+00	14	2230	SH ⁵				
		3162+00	3164+00	8	210	SH ⁵				
		3164+00	3166+40	14	350	SH ⁵				
		3164+50	3167+00	14	300	SH ⁵				
#3 (NB16) Deerfield Lakes	19	3825+40	3835+60	20	1070	ROW ⁴	\$1,180,800	19	19	\$62,147 ⁶
		3820+60	3825+70	14	580	SH ⁵				
#4 (SB04) Cheval West Village – West of Suncoast Parkway	107.82	3099+00	3160+00	14	5660	SH ⁵	\$3,336,000	90.82	128.82	\$25,897
		3106+00	3161+00	8	520	SH ⁵				
#5 (SB05 and SB06) Tarramor, Ivy Lake Estates, Tuscano, and Discovery Point	245.07	3204+50	3258+25	22	5720	ROW ⁴	\$7,290,400	245.05	438.64	\$16,620
		3252+00	3277+25	14	2530	SH ⁵				
		3270+00	3285+00	14	1500	SH ⁵				
#6 (SB07) South Branch Preserve	120	3316+50	3355+80	22	4240	ROW ⁴	\$4,347,200	120	174	\$24,984
		3309+50	3316+00	22	700	ROW ⁴				
#7 (SB09) Suncoast Lakes	11	3730+20	3735+90	22	800	ROW ⁴	\$704,000	11	11	\$64,000 ⁶
#8 (SB10) Lone Star Ranch	18	3810+80	3835+00	22	2250	ROW ⁴	\$1,980,000	18	49	\$40,408

¹ Full height is for length indicated. The length for any required taper in height at a shoulder noise barrier termination would be in addition to the length indicated.

² Unit cost of \$40/ft² for all noise barriers

³ Total includes impacted/benefited residences and residences with a predicted noise level that does not approach or exceed 67 dBA, but are incidentally benefited.

⁴ ROW - Right of Way noise barrier on Suncoast Parkway.

⁵ SH - Shoulder noise barrier on Suncoast Parkway.

⁶ Because the noise barrier's cost is at or near the cost-reasonable limit of \$64,000 per benefited receptor, additional analysis will be necessary in the design phase to confirm that this barrier still meets this criterion with any changes made to the current concept in future design.

5.0 CONSTRUCTION NOISE AND VIBRATION

During the construction phase of the proposed project, short-term noise may be generated by stationary and mobile construction equipment. The construction noise will be temporary at any location and will be controlled by adherence to the most recent edition of FDOT's *Standard Specifications for Road and Bridge Construction*⁶.

Using the listing of sensitive sites found in FDOT's *PD&E Manual*², residences were identified as the only land use potentially sensitive to vibration that could occur during construction. If during final design it is determined that measures to control vibration are necessary, the project's construction provisions can be modified as needed.

6.0 PUBLIC INVOLVEMENT

To promote compatibility between land use planning and Suncoast Parkway, the distance between the edge of Suncoast Parkway's outside travel lane and the point where the roadway related noise is predicted to reach the NAC for each activity category was estimated. These estimates are referred to as noise contours and are shown in Appendix C. These estimates provide the general distance at which the noise approaches or exceed the NAC for each activity type.

The project website, www.SuncoastParkwayPDE.com, was created for this PD&E Study to provide the public with project specific information, provide an opportunity for the public to make comments, and sign up to be added to the project mailing list to receive updates on the project as it advances.

Project newsletters were mailed out to all property owners within at least 300 feet of the project centerline in February 2024 to introduce the PD&E Study and in June 2024 to announce the Alternatives Public Information Meeting for the study.

The Alternatives Public Information Meeting was held in June 2024 and consisted of a virtual meeting and in-person meeting. Invitation letters for the Alternatives Public Information Meeting were sent by e-mail to 33 elected officials, 42 appointed officials, and 46 interested parties/organizations. Letters were mailed to 3,759 property owners and tenants adjacent to the study area. The Alternatives Public Information Meeting was advertised on June 9, 2024, in the Tampa Bay Times and the La Gaceta Spanish newspaper on June 14, 2024. An advertisement was published in The Florida Administrative Register (FAR) on June 11, 2024. The Enterprise distributed a press release on June 18, 2024, to local media, and notices were posted on the project website and the FDOT public notices website.

The Alternatives Public Information Meeting had two participation options: virtual/online or by telephone on June 25, 2024, or in-person on June 27, 2024. The in-person component was held on Thursday, June 27, 2024, from 5:30 p.m. until 7:30 p.m. at the Hilton Garden Inn Suncoast Parkway located at 2155 Northpointe Parkway, Lutz, FL 33558. The meeting was held to provide interested people with an opportunity to review the proposed project alternatives, ask questions, and provide comments concerning the conceptual design, and potential social, economic, and environmental effects

of the proposed improvements. A total of 49 people signed into the virtual meeting and 63 people attended the in-person meeting.

The Public Hearing was held in April 2025 and consisted of a virtual option and in-person option. Invitation letters for the Public Hearing were sent by email to 34 elected officials, 43 appointed officials, and 71 interested parties/organizations. Letters were mailed out to 3,458 property owners and tenants adjacent to the study area. The Public Hearing was advertised on March 23, 2025, and March 30, 2025, in the Tampa Bay Times and on March 21, 2025, and March 28, 2025, in La Gaceta Spanish newspaper. An advertisement was published in the FAR on April 1, 2025. The Enterprise distributed a press release on April 1, 2025, to local media and notices were posted on the project website and the FDOT public notices website.

The Public Hearing had two participation options: virtual/online or by telephone on April 8, 2025, or in-person on April 10, 2025. The in-person component was held on Thursday, April 10, 2025, beginning at 5:30 p.m. at the Hilton Garden Inn Suncoast Parkway located at 2155 Northpointe Parkway, Lutz, FL 33558. The hearing was held to present information about the preferred alternative and all analysis to date and provide an opportunity for the public to express their views about the project. A total of 75 people signed into the virtual Public Hearing and 103 people attended the in-person Public Hearing.

A total of 29 individuals provided verbal comments during the Public Hearing events—16 at the virtual hearing and 13 at the in-person hearing. Additionally, one individual submitted a statement to the court reporter during the in-person event. In total, 78 written comments were received: 25 comment forms, 38 comments via email, and 15 comments through the project website.

Most of the feedback focused on concerns related to noise and the proposed interchange at Rangeland Boulevard. Noise-related comments predominantly came from residents of the Bexley and Orange Blossom Creek neighborhoods (the latter of which is south of the project limits and not included in this study). These residents expressed concern that the noise study did not recommend a noise barrier in front of their communities. Comments regarding the Rangeland Boulevard interchange primarily conveyed opposition to its construction. Importantly, most concerns or objections were directed toward specific aspects of the project (e.g., results of the noise study and the Rangeland Boulevard interchange) rather than the project as a whole.

7.0 REFERENCES

1. **Federal Highway Administration.** *Procedures for Abatement of Highway Traffic Noise and Construction Noise*. Title 23, Code of Federal Regulations, Part 772 (23 CFR Part 772). Washington, D.C.: FHWA, Oct. 18, 2024.
2. **Florida Department of Transportation.** *Project Development and Environment (PD&E) Manual – Part 2, Chapter 18*. Tallahassee, FL: FDOT, Jul. 31, 2024.
3. **Florida Department of Transportation.** *Traffic Noise Modeling and Analysis Practitioners Handbook*. Tallahassee, FL: FDOT, Dec. 2018.
4. **Federal Highway Administration.** *Noise Measurement Handbook*. Washington, D.C.: FHWA, Jun. 2018.
5. **Florida Department of Transportation.** *Methodology to Evaluate Highway Traffic Noise at Special Land Uses*. Tallahassee, FL: FDOT, Dec. 2024.
6. **Florida Department of Transportation.** *Standard Specifications for Road and Bridge Construction*. Tallahassee, FL: FDOT, Jul. 2023.

Appendix A

Traffic Data

Highway Traffic Noise: Traffic Data

Project Name

Suncoast Pkwy (SR 589) Widening PD&E Study from S of Van Dyke Rd to N of SR 52 (MP 13-29)

Project Number

448068-1

Condition

Existing

Year

2023

Roadway Details

Roadway Name

From

To

Roadway Type

Number of Lanes
(in 1 direction)

Traffic Details

Two-Way LOS C
AADT
(if applicable)

LOS C Peak
Hour Peak
Direction
(PHPD)

Demand Two-
Way AADT
(if applicable)

Demand Hourly
Volumes (DHV) Peak
Hour
Peak Direction
(PHPD)

% Automobiles

% Medium Trucks

% Heavy Trucks

% Buses

% Motorcycles

Standard K-factor
(if applicable)

D-factor
(if applicable)

Posted Speed (mph)

Suncoast Pkwy	South of Veterans Spur		Mainline	4	90,600	6,370	70,900	70,900	91%	4.69%	4.24%	0.18%	0.26%	10.5%	67.0%	60
Suncoast Pkwy	Veterans Spur	Van Dyke Rd	Mainline	3	68,600	4,820	57,000	57,000	91%	4.69%	4.24%	0.18%	0.26%	10.5%	67.0%	60
Suncoast Pkwy	Van Dyke Rd	W Lutz Lake Fern Rd	Mainline	2	46,600	3,280	56,800	56,800	91%	4.69%	4.24%	0.18%	0.26%	10.5%	67.0%	60
Suncoast Pkwy	W Lutz Lake Fern Rd	SR 54	Mainline	2	46,600	3,280	54,700	54,700	91%	4.69%	4.24%	0.18%	0.26%	10.5%	67.0%	70
Suncoast Pkwy	SR 54	Ridge Rd	Mainline	2	43,000	3,030	42,700	42,700	91%	4.69%	4.24%	0.18%	0.26%	10.5%	67.0%	70
Suncoast Pkwy	Ridge Rd	SR 52	Mainline	2	43,000	3,030	41,000	41,000	91%	4.69%	4.24%	0.18%	0.26%	10.5%	67.0%	70
Suncoast Pkwy	North of SR 52		Mainline	2	43,000	3,030	28,300	28,300	91%	4.69%	4.24%	0.18%	0.26%	10.5%	67.0%	70
Van Dyke Rd NB-Off	-		Ramp	1	15,200	1,510	3,600	7,100	93%	3.69%	3.34%	0.14%	0.20%	10.0%	100.0%	40
Van Dyke Rd SB-On	-		Ramp	1	15,200	1,510	3,600	7,100	93%	3.69%	3.34%	0.14%	0.20%	10.0%	100.0%	45
Van Dyke Rd NB-On	-		Ramp	1	10,800	1,510	3,500	6,900	93%	3.69%	3.34%	0.14%	0.20%	14.0%	100.0%	45
Van Dyke Rd SB-Off	-		Ramp	1	10,800	1,510	3,500	6,900	93%	3.69%	3.34%	0.14%	0.20%	14.0%	100.0%	40
W Lutz Lake Fern Rd NB-Off	-		Ramp	1	7,600	1,460	2,700	6,200	93%	3.48%	3.15%	0.13%	0.19%	19.0%	100.0%	30
W Lutz Lake Fern Rd SB-On	-		Ramp	1	7,600	1,460	2,700	6,200	93%	3.48%	3.15%	0.13%	0.19%	19.0%	100.0%	30
W Lutz Lake Fern Rd NB-On	-		Ramp	1	8,800	1,510	1,700	4,100	93%	3.48%	3.15%	0.13%	0.19%	17.0%	100.0%	45
W Lutz Lake Fern Rd SB-Off	-		Ramp	1	8,800	1,510	1,700	4,100	93%	3.48%	3.15%	0.13%	0.19%	17.0%	100.0%	45
SR 54 NB-Off	-		Ramp	1	18,000	1,620	12,400	24,800	94%	3.20%	2.89%	0.12%	0.18%	9.0%	100.0%	50
SR 54 SB-On	-		Ramp	1	18,000	1,620	12,400	24,800	94%	3.20%	2.89%	0.12%	0.18%	9.0%	100.0%	50
SR 54 NB-On	-		Ramp	1	13,600	1,620	6,400	12,800	94%	3.20%	2.89%	0.12%	0.18%	12.0%	100.0%	50
SR 54 SB-Off	-		Ramp	1	13,600	1,620	6,400	12,800	94%	3.20%	2.89%	0.12%	0.18%	12.0%	100.0%	50
Ridge Rd NB-Off	-		Ramp	1	7,400	1,490	2,000	8,600	94%	2.79%	2.52%	0.11%	0.15%	20.0%	100.0%	45
Ridge Rd SB-On	-		Ramp	1	7,400	1,490	2,000	8,600	94%	2.79%	2.52%	0.11%	0.15%	20.0%	100.0%	45
Ridge Rd NB-On	-		Ramp	1	7,800	1,490	1,100	5,000	94%	2.79%	2.52%	0.11%	0.15%	19.0%	100.0%	45
Ridge Rd SB-Off	-		Ramp	1	7,800	1,490	1,100	5,000	94%	2.79%	2.52%	0.11%	0.15%	19.0%	100.0%	45
SR 52 NB-Off	-		Ramp	1	15,600	1,490	9,000	18,000	91%	4.39%	3.97%	0.17%	0.24%	9.5%	100.0%	50
SR 52 SB-On	-		Ramp	1	15,600	1,490	9,000	18,000	91%	4.39%	3.97%	0.17%	0.24%	9.5%	100.0%	50
SR 52 NB-On	-		Ramp	1	16,600	1,490	2,700	5,300	91%	4.39%	3.97%	0.17%	0.24%	9.0%	100.0%	50
SR 52 SB-Off	-		Ramp	1	16,600	1,490	2,700	5,300	91%	4.39%	3.97%	0.17%	0.24%	9.0%	100.0%	50
Veterans Spur	-		Mainline	2	36,000	3,280	13,900	13,900	91%	4.28%	3.87%	0.16%	0.23%	14.0%	65.0%	60
Van Dyke Rd	East of Suncoast Pkwy		Arterial	2	59,000	2,780	20,600	970	95%	1.44%	2.38%	0.54%	0.33%	9.0%	52.3%	45
Van Dyke Rd	West of Suncoast Pkwy		Arterial	2	58,800	2,780	21,400	1,010	95%	1.44%	2.38%	0.54%	0.33%	9.0%	52.5%	45
W Lutz Lake Fern Rd	East of Suncoast Pkwy		Arterial	2	52,600	2,790	19,800	1,050	96%	1.13%	1.87%	0.43%	0.26%	9.0%	59.0%	45
W Lutz Lake Fern Rd	West of Suncoast Pkwy		Arterial	2	53,000	2,790	13,400	710	96%	1.13%	1.87%	0.43%	0.26%	9.0%	58.6%	45
SR 54	East of Suncoast Pkwy		Arterial	3	91,200	4,110	57,600	2,590	93%	2.06%	3.40%	0.77%	0.48%	9.0%	50.0%	45
SR 54	West of Suncoast Pkwy		Arterial	3	48,000	2,330	59,400	2,890	93%	2.11%	3.54%	0.64%	0.42%	9.0%	54.0%	45
Ridge Rd	East of Suncoast Pkwy		Arterial	2	39,200	2,760	800	60	94%	2.49%	2.34%	0.40%	0.54%	9.0%	78.3%	55
Ridge Rd	West of Suncoast Pkwy		Arterial	2	53,400	2,760	12,600	650	94%	2.49%	2.34%	0.40%	0.54%	9.0%	57.4%	55
SR 52	East of Suncoast Pkwy		Arterial	2	57,600	2,700	21,600	1,010	90%	4.52%	4.23%	0.72%	0.99%	9.0%	52.0%	45
SR 52	West of Suncoast Pkwy		Arterial	3	76,400	4,040	31,400	1,660	90%	4.52%	4.23%	0.72%	0.99%	9.0%	58.8%	45

Notes:

I certify that the above information is accurate and appropriate for use with the traffic noise analysis.

Prepared By:

Ma'en Al-Omari

Signature

Date:

11/5/2024

I have reviewed and concur that the above information is appropriate for use with the traffic noise analysis.

FDOT Reviewer:

Signature

Date:

Highway Traffic Noise: Traffic Data

Project Name	Suncoast Pkwy (SR 589) Widening PD&E Study from S of Van Dyke Rd to N of SR 52 (MP 13-29)																
Project Number	448068-1																
Condition	Build																
Year	2050 (without Rangeland Blvd Interchange)																

Roadway Details					Traffic Details												
Roadway Name	From	To	Roadway Type	Number of Lanes (in 1 direction)	Two-Way LOS C AADT (if applicable)	LOS C Peak Hour Peak Direction (PHPD)	Demand Two-Way AADT (if applicable)	Demand Hourly Volumes (DHV) Peak Hour Peak Direction (PHPD)	% Automobiles	% Medium Trucks	% Heavy Trucks	% Buses	% Motorcycles	Standard K-factor (if applicable)	D-factor (if applicable)	Posted Speed (mph)	
Suncoast Pkwy	South of Veterans Spur		Mainline	4	98,400	6,250	117,200	7,600	87%	6.40%	5.79%	0.25%	0.35%	10.5%	60.5%	70	
Suncoast Pkwy	Veterans Spur	Van Dyke Rd	Mainline	4	98,400	6,250	96,800	5,940	87%	6.40%	5.79%	0.25%	0.35%	10.5%	60.5%	70	
Suncoast Pkwy	Van Dyke Rd	W Lutz Lake Fern Rd	Mainline	4	98,400	6,250	97,200	6,060	87%	6.40%	5.79%	0.25%	0.35%	10.5%	60.5%	70	
Suncoast Pkwy	W Lutz Lake Fern Rd	SR 54	Mainline	4	98,400	6,250	93,000	5,920	87%	6.40%	5.79%	0.25%	0.35%	10.5%	60.5%	70	
Suncoast Pkwy	SR 54	Ridge Rd	Mainline	3	67,600	4,290	75,400	4,920	87%	6.40%	5.79%	0.25%	0.35%	10.5%	60.5%	70	
Suncoast Pkwy	Ridge Rd	SR 52	Mainline	3	67,600	4,290	68,200	4,310	87%	6.40%	5.79%	0.25%	0.35%	10.5%	60.5%	70	
Suncoast Pkwy	North of SR 52		Mainline	3	67,600	4,290	46,800	2,780	87%	6.40%	5.79%	0.25%	0.35%	10.5%	60.5%	70	
Van Dyke Rd NB-Off	-	-	Ramp	1	15,800	1,580	5,800	760	89%	5.42%	4.91%	0.21%	0.30%	10.0%	100.0%	40	
Van Dyke Rd SB-On	-	-	Ramp	1	15,800	1,580	5,800	760	89%	5.42%	4.91%	0.21%	0.30%	10.0%	100.0%	45	
Van Dyke Rd NB-On	-	-	Ramp	1	11,800	1,580	6,000	940	89%	5.42%	4.91%	0.21%	0.30%	13.5%	100.0%	45	
Van Dyke Rd SB-Off	-	-	Ramp	1	11,800	1,580	6,000	940	89%	5.42%	4.91%	0.21%	0.30%	13.5%	100.0%	40	
W Lutz Lake Fern Rd NB-Off	-	-	Ramp	1	11,000	1,530	6,200	1,020	90%	5.22%	4.72%	0.20%	0.29%	14.0%	100.0%	30	
W Lutz Lake Fern Rd SB-On	-	-	Ramp	1	11,000	1,530	6,200	1,020	90%	5.22%	4.72%	0.20%	0.29%	14.0%	100.0%	30	
W Lutz Lake Fern Rd NB-On	-	-	Ramp	1	11,200	1,580	4,100	760	90%	5.22%	4.72%	0.20%	0.29%	14.0%	100.0%	45	
W Lutz Lake Fern Rd SB-Off	-	-	Ramp	1	11,200	1,580	4,100	760	90%	5.22%	4.72%	0.20%	0.29%	14.0%	100.0%	45	
SR 54 NB-Off	-	-	Ramp	2	35,200	3,160	19,600	2,380	90%	4.93%	4.46%	0.19%	0.27%	9.0%	100.0%	50	
SR 54 SB-On	-	-	Ramp	2	35,200	3,160	19,600	2,380	90%	4.93%	4.46%	0.19%	0.27%	9.0%	100.0%	50	
SR 54 NB-On	-	-	Ramp	1	15,000	1,580	10,800	1,380	90%	4.93%	4.46%	0.19%	0.27%	10.5%	100.0%	50	
SR 54 SB-Off	-	-	Ramp	1	15,000	1,580	10,800	1,380	90%	4.93%	4.46%	0.19%	0.27%	10.5%	100.0%	50	
Ridge Rd NB-Off	-	-	Ramp	1	12,200	1,470	8,600	1,310	92%	3.89%	3.52%	0.15%	0.21%	12.0%	100.0%	45	
Ridge Rd SB-On	-	-	Ramp	1	12,200	1,470	8,600	1,310	92%	3.89%	3.52%	0.15%	0.21%	12.0%	100.0%	45	
Ridge Rd NB-On	-	-	Ramp	1	12,200	1,470	5,000	700	92%	3.89%	3.52%	0.15%	0.21%	12.0%	100.0%	45	
Ridge Rd SB-Off	-	-	Ramp	1	12,200	1,470	5,000	700	92%	3.89%	3.52%	0.15%	0.21%	12.0%	100.0%	45	
SR 52 NB-Off	-	-	Ramp	2	31,000	2,940	15,300	1,940	88%	6.13%	5.54%	0.24%	0.34%	9.5%	100.0%	50	
SR 52 SB-On	-	-	Ramp	2	31,000	2,940	15,300	1,940	88%	6.13%	5.54%	0.24%	0.34%	9.5%	100.0%	50	
SR 52 NB-On	-	-	Ramp	1	16,400	1,470	4,600	460	88%	6.13%	5.54%	0.24%	0.34%	9.0%	100.0%	50	
SR 52 SB-Off	-	-	Ramp	1	16,400	1,470	4,600	460	88%	6.13%	5.54%	0.24%	0.34%	9.0%	100.0%	50	
Veterans Spur	-	-	Mainline	2	39,600	3,220	20,400	1,660	86%	6.99%	6.32%	0.27%	0.38%	12.5%	65.0%	60	
Van Dyke Rd	East of Suncoast Pkwy	-	Arterial	2	58,400	2,730	36,200	1,690	92%	2.52%	4.16%	0.94%	0.58%	9.0%	52.0%	45	
Van Dyke Rd	West of Suncoast Pkwy	-	Arterial	2	58,800	2,730	36,600	1,700	92%	2.52%	4.16%	0.94%	0.58%	9.0%	51.5%	45	
W Lutz Lake Fern Rd	East of Suncoast Pkwy	-	Arterial	2	51,000	2,750	33,800	1,830	93%	2.22%	3.66%	0.83%	0.51%	9.0%	60.0%	45	
W Lutz Lake Fern Rd	West of Suncoast Pkwy	-	Arterial	2	54,600	2,750	26,800	1,350	93%	2.22%	3.66%	0.83%	0.51%	9.0%	56.0%	45	
SR 54	East of Suncoast Pkwy	-	Arterial	3	87,200	4,040	98,400	4,560	90%	3.22%	5.32%	1.21%	0.75%	9.0%	51.5%	45	
SR 54	West of Suncoast Pkwy	-	Arterial	4	64,400	3,070	94,400	4,500	90%	3.30%	5.54%	1.01%	0.65%	9.0%	53.0%	45	
Rangeland Blvd	East of Suncoast Pkwy	-	Arterial	3	72,600	4,040	16,400	910	90%	5.25%	4.75%	0.20%	0.29%	10.5%	53.0%	45	
Rangeland Blvd	West of Suncoast Pkwy	-	Arterial	3	73,400	4,040	18,400	1,010	90%	5.25%	4.75%	0.20%	0.29%	11.0%	50.0%	45	
Ridge Rd	East of Suncoast Pkwy	-	Arterial	2	54,000	2,750	28,400	1,440	93%	3.07%	2.88%	0.49%	0.67%	9.0%	56.5%	55	
Ridge Rd	West of Suncoast Pkwy	-	Arterial	2	51,800	2,750	43,400	2,300	93%	3.07%	2.88%	0.49%	0.67%	9.0%	59.0%	55	
SR 52	East of Suncoast Pkwy	-	Arterial	3	82,800	3,990	57,200	2,750	87%	5.57%	5.21%	0.89%	1.21%	9.0%	53.5%	45	
SR 52	West of Suncoast Pkwy	-	Arterial	3	79,200	3,990	62,400	3,150	87%	5.57%	5.21%	0.89%	1.21%	9.0%	56.0%	45	

Notes:

I certify that the above information is accurate and appropriate for use with the traffic noise analysis.

Prepared By: _____ Ma'en Al-Omari _____ Signature _____ Date: 11/5/2024

I have reviewed and concur that the above information is appropriate for use with the traffic noise analysis.

FDOT Reviewer: _____ Signature _____ Date: _____

Highway Traffic Noise: Traffic Data

Project Name	Suncoast Pkwy (SR 589) Widening PD&E Study from S of Van Dyke Rd to N of SR 52 (MP 13-29)																
Project Number	448066-1																
Condition	Build																
Year	2050 (with Rangeland Blvd Interchange)																
Roadway Details					Traffic Details												
Roadway Name	From	To	Roadway Type	Number of Lanes (in 1 direction)	Two-Way LOS C AADT (if applicable)	LOS C Peak Hour Peak Direction (PHPD)	Demand Two-Way AADT (if applicable)	Demand Hourly Volumes (DHV) Peak Hour Peak Direction (PHPD)	% Automobiles	% Medium Trucks	% Heavy Trucks	% Buses	% Motorcycles	Standard K-factor (if applicable)	D-factor (if applicable)	Posted Speed (mph)	
Suncoast Pkwy	South of Veterans Spur		Mainline	4	102,400	6,250	118,600	7,670	87%	6.40%	5.79%	0.25%	0.35%	10.0%	61.0%	70	
Suncoast Pkwy	Veterans Spur	Van Dyke Rd	Mainline	4	102,400	6,250	99,600	6,080	87%	6.40%	5.79%	0.25%	0.35%	10.0%	61.0%	70	
Suncoast Pkwy	Van Dyke Rd	W Lutz Lake Fern Rd	Mainline	4	102,400	6,250	101,600	6,280	87%	6.40%	5.79%	0.25%	0.35%	10.0%	61.0%	70	
Suncoast Pkwy	W Lutz Lake Fern Rd	SR 54	Mainline	4	102,400	6,250	101,200	6,330	87%	6.40%	5.79%	0.25%	0.35%	10.0%	61.0%	70	
Suncoast Pkwy	SR 54	Rangeland Blvd	Mainline	5	126,800	7,740	87,800	5,640	87%	6.40%	5.79%	0.25%	0.35%	10.0%	61.0%	70	
Suncoast Pkwy	Rangeland Blvd	Ridge Rd	Mainline	3	70,400	4,290	75,800	4,940	87%	6.40%	5.79%	0.25%	0.35%	10.0%	61.0%	70	
Suncoast Pkwy	Ridge Rd	SR 52	Mainline	3	70,400	4,290	68,600	4,330	87%	6.40%	5.79%	0.25%	0.35%	10.0%	61.0%	70	
Suncoast Pkwy	North of SR 52		Mainline	3	70,400	4,290	47,200	2,800	87%	6.40%	5.79%	0.25%	0.35%	10.0%	61.0%	70	
Van Dyke Rd NB-Off	-	-	Ramp	1	15,800	1,580	5,600	740	89%	5.42%	4.91%	0.21%	0.30%	10.0%	100.0%	40	
Van Dyke Rd SB-On	-	-	Ramp	1	15,800	1,580	5,600	740	89%	5.42%	4.91%	0.21%	0.30%	10.0%	100.0%	45	
Van Dyke Rd NB-On	-	-	Ramp	1	12,200	1,580	6,600	1,000	89%	5.42%	4.91%	0.21%	0.30%	13.0%	100.0%	45	
Van Dyke Rd SB-Off	-	-	Ramp	1	12,200	1,580	6,600	1,000	89%	5.42%	4.91%	0.21%	0.30%	13.0%	100.0%	40	
W Lutz Lake Fern Rd NB-Off	-	-	Ramp	1	10,200	1,530	5,400	940	90%	5.22%	4.72%	0.20%	0.29%	15.0%	100.0%	30	
W Lutz Lake Fern Rd SB-On	-	-	Ramp	1	10,200	1,530	5,400	940	90%	5.22%	4.72%	0.20%	0.29%	15.0%	100.0%	30	
W Lutz Lake Fern Rd NB-On	-	-	Ramp	1	12,600	1,580	5,200	870	90%	5.22%	4.72%	0.20%	0.29%	12.5%	100.0%	45	
W Lutz Lake Fern Rd SB-Off	-	-	Ramp	1	12,600	1,580	5,200	870	90%	5.22%	4.72%	0.20%	0.29%	12.5%	100.0%	45	
SR 54 NB-Off	-	-	Ramp	2	35,200	3,160	15,200	1,840	90%	4.93%	4.46%	0.19%	0.27%	9.0%	100.0%	50	
SR 54 SB-On	-	-	Ramp	2	35,200	3,160	15,200	1,840	90%	4.93%	4.46%	0.19%	0.27%	9.0%	100.0%	50	
SR 54 NB-On	-	-	Ramp	1	13,800	1,580	8,500	1,150	90%	4.93%	4.46%	0.19%	0.27%	11.5%	100.0%	50	
SR 54 SB-Off	-	-	Ramp	1	13,800	1,580	8,500	1,150	90%	4.93%	4.46%	0.19%	0.27%	11.5%	100.0%	50	
Rangeland Blvd NB-Off	-	-	Ramp	2	39,600	3,160	9,600	1,060	90%	4.93%	4.46%	0.19%	0.27%	8.0%	100.0%	35	
Rangeland Blvd SB-On	-	-	Ramp	2	38,200	3,060	9,600	1,060	90%	4.93%	4.46%	0.19%	0.27%	8.0%	100.0%	30	
Rangeland Blvd NB-On	-	-	Ramp	1	22,600	1,580	3,600	360	90%	4.93%	4.46%	0.19%	0.27%	7.0%	100.0%	45	
Rangeland Blvd SB-Off	-	-	Ramp	1	22,600	1,580	3,600	360	90%	4.93%	4.46%	0.19%	0.27%	7.0%	100.0%	45	
Ridge Rd NB-Off	-	-	Ramp	1	12,200	1,470	8,600	1,310	92%	3.89%	3.52%	0.15%	0.21%	12.0%	100.0%	45	
Ridge Rd SB-On	-	-	Ramp	1	12,200	1,470	8,600	1,310	92%	3.89%	3.52%	0.15%	0.21%	12.0%	100.0%	45	
Ridge Rd NB-On	-	-	Ramp	1	12,200	1,470	5,000	700	92%	3.89%	3.52%	0.15%	0.21%	12.0%	100.0%	45	
Ridge Rd SB-Off	-	-	Ramp	1	12,200	1,470	5,000	700	92%	3.89%	3.52%	0.15%	0.21%	12.0%	100.0%	45	
SR 52 NB-Off	-	-	Ramp	2	31,000	2,940	15,300	1,940	88%	6.13%	5.54%	0.24%	0.34%	9.5%	100.0%	50	
SR 52 SB-On	-	-	Ramp	2	31,000	2,940	15,300	1,940	88%	6.13%	5.54%	0.24%	0.34%	9.5%	100.0%	50	
SR 52 NB-On	-	-	Ramp	1	16,400	1,470	4,600	460	88%	6.13%	5.54%	0.24%	0.34%	9.0%	100.0%	50	
SR 52 SB-Off	-	-	Ramp	1	16,400	1,470	4,600	460	88%	6.13%	5.54%	0.24%	0.34%	9.0%	100.0%	50	
Veterans Spur	-	-	Mainline	2	38,200	3,220	19,000	1,590	86%	6.99%	6.32%	0.27%	0.38%	13.0%	65.0%	60	
Van Dyke Rd	East of Suncoast Pkwy		Arterial	2	59,400	2,730	39,200	1,800	92%	2.52%	4.16%	0.94%	0.58%	9.0%	51.0%	45	
Van Dyke Rd	West of Suncoast Pkwy		Arterial	2	57,200	2,730	40,600	1,940	92%	2.52%	4.16%	0.94%	0.58%	9.0%	53.0%	45	
W Lutz Lake Fern Rd	East of Suncoast Pkwy		Arterial	2	50,600	2,750	34,800	1,900	93%	2.22%	3.66%	0.83%	0.51%	9.0%	60.5%	45	
W Lutz Lake Fern Rd	West of Suncoast Pkwy		Arterial	2	55,000	2,750	26,600	1,330	93%	2.22%	3.66%	0.83%	0.51%	9.0%	55.5%	45	
SR 54	East of Suncoast Pkwy		Arterial	3	88,000	4,040	76,400	3,510	90%	3.22%	5.32%	1.21%	0.75%	9.0%	51.0%	45	
SR 54	West of Suncoast Pkwy		Arterial	4	64,400	3,070	72,400	3,450	90%	3.30%	5.54%	1.01%	0.65%	9.0%	53.0%	45	
Rangeland Blvd	East of Suncoast Pkwy		Arterial	3	82,400	4,040	49,200	2,410	90%	5.25%	4.75%	0.20%	0.29%	9.0%	54.5%	45	
Rangeland Blvd	West of Suncoast Pkwy		Arterial	3	74,800	4,040	46,000	2,480	90%	5.25%	4.75%	0.20%	0.29%	9.0%	60.0%	45	
Ridge Rd	East of Suncoast Pkwy		Arterial	2	56,000	2,750	31,400	1,540	93%	3.07%	2.88%	0.49%	0.67%	9.0%	54.5%	55	
Ridge Rd	West of Suncoast Pkwy		Arterial	2	53,600	2,750	47,800	2,450	93%	3.07%	2.88%	0.49%	0.67%	9.0%	57.0%	55	
SR 52	East of Suncoast Pkwy		Arterial	3	82,800	3,990	57,200	2,750	87%	5.57%	5.21%	0.89%	1.21%	9.0%	53.5%	45	
SR 52	West of Suncoast Pkwy		Arterial	3	79,200	3,990	62,400	3,150	87%	5.57%	5.21%	0.89%	1.21%	9.0%	56.0%	45	
Notes:																	
I certify that the above information is accurate and appropriate for use with the traffic noise analysis.																	
Prepared By:				Ma'en Al-Omari								Date: 11/5/2024					
				Signature													
I have reviewed and concur that the above information is appropriate for use with the traffic noise analysis.																	
FDOT Reviewer:				Signature								Date:					

Appendix B-1 – Residential Properties

Predicted Noise Levels

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
NB01	RNB01-001	1	B	66	67	70.2	72.3	2.1	Yes	No	Leclare Estates
NB01	RNB01-002	1	B	66	67	68.4	70.9	2.5	Yes	No	Leclare Estates
NB01	RNB01-003	1	B	66	67	66.4	68.8	2.4	Yes	No	Leclare Estates
NB01	RNB01-004	1	B	66	67	65.1	67.8	2.7	Yes	No	Leclare Estates
NB01	RNB01-005	1	B	66	67	63.2	65.6	2.4	No	No	Leclare Estates
NB01	RNB01-006	1	B	66	67	63.0	65.3	2.3	No	No	Leclare Estates
NB01	RNB01-007	1	B	66	67	61.6	63.8	2.2	No	No	Leclare Estates
NB01	RNB01-008	1	B	66	67	60.3	62.3	2.0	No	No	Leclare Estates
NB01	RNB01-009	1	B	66	67	58.5	60.6	2.1	No	No	Leclare Estates
NB01	RNB01-010	2	B	66	67	56.2	58.4	2.2	No	No	Leclare Estates
NB01	RNB01-011	1	B	66	67	67.5	71.3	3.8	Yes	No	Single Family Residence
NB01	RNB01-012	1	B	66	67	68.3	72.4	4.1	Yes	No	Single Family Residence
NB01	RNB01-013	1	B	66	67	63.5	66.8	3.3	Yes	No	Single Family Residence
NB01	RNB01-014	1	B	66	67	61.9	65.0	3.1	No	No	Single Family Residence
NB01	RNB01-015	1	B	66	67	59.0	61.9	2.9	No	No	Single Family Residence
NB01	RNB01-016	1	B	66	67	58.1	60.9	2.8	No	No	Single Family Residence
NB01	RNB01-017	1	B	66	67	55.9	58.4	2.5	No	No	Single Family Residence
NB01	RNB01-018	1	B	66	67	55.2	57.4	2.2	No	No	Single Family Residence
NB01	RNB01-019	1	B	66	67	56.7	59.0	2.3	No	No	Single Family Residence
NB01	RNB01-020	1	B	66	67	58.0	60.6	2.6	No	No	Single Family Residence
NB01	RNB01-021	1	B	66	67	58.9	61.6	2.7	No	No	Single Family Residence
NB01	RNB01-022	1	B	66	67	64.6	68.0	3.4	Yes	No	Single Family Residence
NB01	RNB01-023	1	B	66	67	69.0	73.1	4.1	Yes	No	Single Family Residence
NB01	RNB01-024	1	B	66	67	62.3	65.7	3.4	No	No	Single Family Residence
NB01	RNB01-025	1	B	66	67	59.9	62.6	2.7	No	No	Single Family Residence
NB01	RNB01-026	1	B	66	67	60.4	63.0	2.6	No	No	Single Family Residence
NB01	RNB01-027	1	B	66	67	56.9	58.9	2.0	No	No	Single Family Residence
NB01	RNB01-028	1	B	66	67	58.4	60.5	2.1	No	No	Single Family Residence
NB01	RNB01-029	1	B	66	67	58.7	61.0	2.3	No	No	Single Family Residence
NB01	RNB01-030	1	B	66	67	57.5	58.9	1.4	No	No	Single Family Residence
NB01	RNB01-031	1	B	66	67	57.9	59.2	1.3	No	No	Single Family Residence
NB01	RNB01-032	1	B	66	67	58.6	59.4	0.8	No	No	Single Family Residence
NB01	RNB01-033	1	B	66	67	62.4	62.0	0.4	No	No	Single Family Residence
NB02	RNB02-001	2	B	66	67	66.5	69.7	3.2	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-002	2	B	66	67	66.0	68.4	2.4	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-003	2	B	66	67	66.0	67.5	1.5	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-004	2	B	66	67	66.0	65.8	0.2	No	No	Hidden Oaks Townhomes
NB02	RNB02-005	2	B	66	67	66.3	65.7	0.6	No	No	Hidden Oaks Townhomes
NB02	RNB02-006	2	B	66	67	66.3	65.5	0.8	No	No	Hidden Oaks Townhomes
NB02	RNB02-007	2	B	66	67	66.4	65.4	1.0	No	No	Hidden Oaks Townhomes
NB02	RNB02-008	4	B	66	67	66.4	65.3	1.1	No	No	Hidden Oaks Townhomes
NB02	RNB02-009	6	B	66	67	65.8	64.7	1.1	No	No	Hidden Oaks Townhomes
NB02	RNB02-010	6	B	66	67	65.5	64.3	1.2	No	No	Hidden Oaks Townhomes
NB02	RNB02-011	4	B	66	67	64.4	63.6	0.8	No	No	Hidden Oaks Townhomes
NB02	RNB02-012	4	B	66	67	60.4	61.6	1.2	No	No	Hidden Oaks Townhomes
NB02	RNB02-013	6	B	66	67	58.0	58.3	0.3	No	No	Hidden Oaks Townhomes
NB02	RNB02-014	6	B	66	67	49.1	54.5	5.4	No	No	Hidden Oaks Townhomes
NB02	RNB02-015	4	B	66	67	48.8	54.2	5.4	No	No	Hidden Oaks Townhomes
NB02	RNB02-016	2	B	66	67	50.4	56.2	5.8	No	No	Hidden Oaks Townhomes
NB02	RNB02-017	2	B	66	67	49.1	54.3	5.2	No	No	Hidden Oaks Townhomes
NB02	RNB02-018	2	B	66	67	48.0	53.1	5.1	No	No	Hidden Oaks Townhomes
NB02	RNB02-019	2	B	66	67	51.0	53.0	2.0	No	No	Hidden Oaks Townhomes
NB02	RNB02-020	2	B	66	67	68.3	73.2	4.9	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-021	2	B	66	67	68.6	73.1	4.5	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-022	2	B	66	67	49.5	51.1	1.6	No	No	Hidden Oaks Townhomes
NB02	RNB02-023	2	B	66	67	68.4	73.2	4.8	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-024	2	B	66	67	48.7	50.3	1.6	No	No	Hidden Oaks Townhomes
NB02	RNB02-025	2	B	66	67	68.6	73.2	4.6	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-026	2	B	66	67	69.0	73.4	4.4	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-027	2	B	66	67	52.5	57.1	4.6	No	No	Hidden Oaks Townhomes
NB02	RNB02-028	2	B	66	67	52.5	56.7	4.2	No	No	Hidden Oaks Townhomes
NB02	RNB02-029	2	B	66	67	52.7	56.3	3.6	No	No	Hidden Oaks Townhomes
NB02	RNB02-030	2	B	66	67	51.8	54.9	3.1	No	No	Hidden Oaks Townhomes
NB02	RNB02-031	2	B	66	67	51.1	53.7	2.6	No	No	Hidden Oaks Townhomes
NB02	RNB02-032	2	B	66	67	51.9	53.7	1.8	No	No	Hidden Oaks Townhomes
NB02	RNB02-033	6	B	66	67	56.3	61.1	4.8	No	No	Hidden Oaks Townhomes
NB02	RNB02-034	6	B	66	67	57.7	64.4	6.7	No	No	Hidden Oaks Townhomes
NB02	RNB02-035	2	B	66	67	59.3	65.9	6.6	No	No	Hidden Oaks Townhomes
NB02	RNB02-036	2	B	66	67	59.8	66.3	6.5	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-037	2	B	66	67	60.5	66.9	6.4	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-038	2	B	66	67	64.9	70.2	5.3	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-039	2	B	66	67	65.7	70.8	5.1	Yes	No	Hidden Oaks Townhomes
NB02	RNB02-040	2	B	66	67	67.0	71.5	4.5	Yes	No	Hidden Oaks Townhomes
NB03	RNB03-001	12	B	66	67	53.6	60.0	6.4	No	No	Lake Carlton Arms
NB03	RNB03-002	1	B	66	67	48.3	54.1	5.8	No	No	Lake Carlton Arms
NB03	RNB03-003	2	B	66	67	49.4	56.0	6.6	No	No	Lake Carlton Arms
NB03	RNB03-004	2	B	66	67	48.1	53.8	5.7	No	No	Lake Carlton Arms
NB03	RNB03-005	2	B	66	67	48.7	55.3	6.6	No	No	Lake Carlton Arms

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
NB03	RNB03-006	2	B	66	67	47.6	53.2	5.6	No	No	Lake Carlton Arms
NB03	RNB03-007	2	B	66	67	47.6	54.0	6.4	No	No	Lake Carlton Arms
NB03	RNB03-008	1	B	66	67	54.0	59.7	5.7	No	No	Lake Carlton Arms
NB03	RNB03-009	1	B	66	67	56.7	62.8	6.1	No	No	Lake Carlton Arms
NB03	RNB03-010	2	B	66	67	51.0	57.1	6.1	No	No	Lake Carlton Arms
NB03	RNB03-011	2	B	66	67	49.9	56.1	6.2	No	No	Lake Carlton Arms
NB03	RNB03-012	2	B	66	67	49.0	54.7	5.7	No	No	Lake Carlton Arms
NB03	RNB03-013	2	B	66	67	47.0	52.9	5.9	No	No	Lake Carlton Arms
NB03	RNB03-014	2	B	66	67	47.3	53.3	6.0	No	No	Lake Carlton Arms
NB03	RNB03-015	1	B	66	67	47.8	53.5	5.7	No	No	Lake Carlton Arms
NB03	RNB03-016	1	B	66	67	54.5	60.3	5.8	No	No	Lake Carlton Arms
NB03	RNB03-017	2	B	66	67	47.6	53.5	5.9	No	No	Lake Carlton Arms
NB03	RNB03-018	2	B	66	67	45.9	51.6	5.7	No	No	Lake Carlton Arms
NB03	RNB03-019	2	B	66	67	47.3	52.9	5.6	No	No	Lake Carlton Arms
NB03	RNB03-020	1	B	66	67	46.1	51.8	5.7	No	No	Lake Carlton Arms
NB03	RNB03-021	1	B	66	67	50.9	56.7	5.8	No	No	Lake Carlton Arms
NB03	RNB03-022	2	B	66	67	48.2	54.0	5.8	No	No	Lake Carlton Arms
NB03	RNB03-023	2	B	66	67	44.6	50.4	5.8	No	No	Lake Carlton Arms
NB03	RNB03-024	2	B	66	67	47.8	53.4	5.6	No	No	Lake Carlton Arms
NB03	RNB03-025	1	B	66	67	50.9	56.8	5.9	No	No	Lake Carlton Arms
NB03	RNB03-026	1	B	66	67	50.2	56.3	6.1	No	No	Lake Carlton Arms
NB03	RNB03-027	2	B	66	67	47.2	53.1	5.9	No	No	Lake Carlton Arms
NB03	RNB03-028	2	B	66	67	44.1	49.9	5.8	No	No	Lake Carlton Arms
NB03	RNB03-029	2	B	66	67	47.0	52.6	5.6	No	No	Lake Carlton Arms
NB03	RNB03-030	1	B	66	67	51.9	58.8	6.9	No	No	Lake Carlton Arms
NB03	RNB03-031	2	B	66	67	51.3	58.5	7.2	No	No	Lake Carlton Arms
NB03	RNB03-032	1	B	66	67	50.8	56.9	6.1	No	No	Lake Carlton Arms
NB03	RNB03-033	2	B	66	67	48.8	54.5	5.7	No	No	Lake Carlton Arms
NB03	RNB03-034	2	B	66	67	49.6	56.2	6.6	No	No	Lake Carlton Arms
NB03	RNB03-035	1	B	66	67	49.0	54.7	5.7	No	No	Lake Carlton Arms
NB03	RNB03-036	6	B	66	67	53.5	60.0	6.5	No	No	Lake Carlton Arms
NB03	RNB03-037	6	B	66	67	52.0	58.0	6.0	No	No	Lake Carlton Arms
NB03	RNB03-038	6	B	66	67	53.2	59.9	6.7	No	No	Lake Carlton Arms
NB03	RNB03-039	6	B	66	67	51.4	57.3	5.9	No	No	Lake Carlton Arms
NB03	RNB03-040	4	B	66	67	53.5	60.2	6.7	No	No	Lake Carlton Arms
NB03	RNB03-041	4	B	66	67	51.5	57.6	6.1	No	No	Lake Carlton Arms
NB03	RNB03-042	6	B	66	67	51.8	58.1	6.3	No	No	Lake Carlton Arms
NB03	RNB03-043	6	B	66	67	54.0	60.8	6.8	No	No	Lake Carlton Arms
NB03	RNB03-044	1	B	66	67	58.6	65.8	7.2	No	No	Lake Carlton Arms
NB03	RNB03-045	2	B	66	67	61.5	68.8	7.3	Yes	No	Lake Carlton Arms
NB03	RNB03-046	2	B	66	67	57.9	65.4	7.5	No	No	Lake Carlton Arms
NB03	RNB03-047	2	B	66	67	60.5	68.0	7.5	Yes	No	Lake Carlton Arms
NB03	RNB03-048	2	B	66	67	57.1	65.0	7.9	No	No	Lake Carlton Arms
NB03	RNB03-049	2	B	66	67	60.0	67.5	7.5	Yes	No	Lake Carlton Arms
NB03	RNB03-050	1	B	66	67	56.6	64.5	7.9	No	No	Lake Carlton Arms
NB03	RNB03-051	1	B	66	67	56.2	64.1	7.9	No	No	Lake Carlton Arms
NB03	RNB03-052	2	B	66	67	59.4	66.9	7.5	Yes	No	Lake Carlton Arms
NB03	RNB03-053	2	B	66	67	56.0	63.9	7.9	No	No	Lake Carlton Arms
NB03	RNB03-054	2	B	66	67	59.0	66.5	7.5	Yes	No	Lake Carlton Arms
NB03	RNB03-055	1	B	66	67	55.6	63.4	7.8	No	No	Lake Carlton Arms
NB03	RNB03-056	1	B	66	67	55.1	62.9	7.8	No	No	Lake Carlton Arms
NB03	RNB03-057	2	B	66	67	58.2	65.7	7.5	No	No	Lake Carlton Arms
NB03	RNB03-058	2	B	66	67	54.9	62.7	7.8	No	No	Lake Carlton Arms
NB03	RNB03-059	2	B	66	67	58.0	65.5	7.5	No	No	Lake Carlton Arms
NB03	RNB03-060	2	B	66	67	54.7	62.5	7.8	No	No	Lake Carlton Arms
NB03	RNB03-061	2	B	66	67	57.8	65.2	7.4	No	No	Lake Carlton Arms
NB03	RNB03-062	1	B	66	67	54.4	62.1	7.7	No	No	Lake Carlton Arms
NB03	RNB03-063	12	B	66	67	51.9	58.7	6.8	No	No	Lake Carlton Arms
NB03	RNB03-064	4	B	66	67	51.4	58.2	6.8	No	No	Lake Carlton Arms
NB03	RNB03-065	4	B	66	67	53.6	60.7	7.1	No	No	Lake Carlton Arms
NB03	RNB03-066	6	B	66	67	51.2	57.9	6.7	No	No	Lake Carlton Arms
NB03	RNB03-067	6	B	66	67	53.5	60.7	7.2	No	No	Lake Carlton Arms
NB03	RNB03-068	6	B	66	67	51.5	58.1	6.6	No	No	Lake Carlton Arms
NB03	RNB03-069	6	B	66	67	54.2	61.1	6.9	No	No	Lake Carlton Arms
NB03	RNB03-070	8	B	66	67	50.8	57.4	6.6	No	No	Lake Carlton Arms
NB03	RNB03-071	8	B	66	67	53.2	60.1	6.9	No	No	Lake Carlton Arms
NB03	RNB03-072	8	B	66	67	51.4	58.2	6.8	No	No	Lake Carlton Arms
NB03	RNB03-073	8	B	66	67	50.1	56.4	6.3	No	No	Lake Carlton Arms
NB03	RNB03-074	4	B	66	67	51.5	58.2	6.7	No	No	Lake Carlton Arms
NB03	RNB03-075	4	B	66	67	50.0	56.3	6.3	No	No	Lake Carlton Arms
NB03	RNB03-076	2	B	66	67	51.7	58.5	6.8	No	No	Lake Carlton Arms
NB03	RNB03-077	2	B	66	67	50.0	56.5	6.5	No	No	Lake Carlton Arms
NB03	RNB03-078	2	B	66	67	51.8	58.7	6.9	No	No	Lake Carlton Arms
NB03	RNB03-079	2	B	66	67	50.1	56.7	6.6	No	No	Lake Carlton Arms
NB03	RNB03-080	2	B	66	67	52.0	58.8	6.8	No	No	Lake Carlton Arms
NB03	RNB03-081	2	B	66	67	50.2	56.9	6.7	No	No	Lake Carlton Arms
NB03	RNB03-082	1	B	66	67	50.3	57.0	6.7	No	No	Lake Carlton Arms
NB03	RNB03-083	2	B	66	67	52.2	59.1	6.9	No	No	Lake Carlton Arms

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
NB03	RNB03-084	2	B	66	67	50.5	57.3	6.8	No	No	Lake Carlton Arms
NB03	RNB03-085	2	B	66	67	52.7	59.7	7.0	No	No	Lake Carlton Arms
NB03	RNB03-086	1	B	66	67	50.8	57.6	6.8	No	No	Lake Carlton Arms
NB03	RNB03-087	3	B	66	67	48.2	54.7	6.5	No	No	Lake Carlton Arms
NB03	RNB03-088	2	B	66	67	48.3	54.8	6.5	No	No	Lake Carlton Arms
NB03	RNB03-089	2	B	66	67	48.3	54.8	6.5	No	No	Lake Carlton Arms
NB03	RNB03-090	3	B	66	67	47.6	53.4	5.8	No	No	Lake Carlton Arms
NB03	RNB03-091	2	B	66	67	48.0	54.5	6.5	No	No	Lake Carlton Arms
NB03	RNB03-092	2	B	66	67	50.7	57.6	6.9	No	No	Lake Carlton Arms
NB03	RNB03-093	2	B	66	67	48.0	54.2	6.2	No	No	Lake Carlton Arms
NB03	RNB03-094	2	B	66	67	46.4	52.3	5.9	No	No	Lake Carlton Arms
NB03	RNB03-095	2	B	66	67	48.1	54.3	6.2	No	No	Lake Carlton Arms
NB03	RNB03-096	2	B	66	67	46.3	52.1	5.8	No	No	Lake Carlton Arms
NB03	RNB03-097	2	B	66	67	47.9	54.2	6.3	No	No	Lake Carlton Arms
NB03	RNB03-098	2	B	66	67	45.9	51.7	5.8	No	No	Lake Carlton Arms
NB03	RNB03-099	2	B	66	67	47.6	53.9	6.3	No	No	Lake Carlton Arms
NB03	RNB03-100	2	B	66	67	49.7	56.5	6.8	No	No	Lake Carlton Arms
NB03	RNB03-101	2	B	66	67	48.3	54.1	5.8	No	No	Lake Carlton Arms
NB03	RNB03-102	2	B	66	67	45.4	50.8	5.4	No	No	Lake Carlton Arms
NB03	RNB03-103	2	B	66	67	48.2	54.1	5.9	No	No	Lake Carlton Arms
NB03	RNB03-104	2	B	66	67	47.3	53.3	6.0	No	No	Lake Carlton Arms
NB03	RNB03-105	2	B	66	67	45.4	50.8	5.4	No	No	Lake Carlton Arms
NB03	RNB03-106	4	B	66	67	51.5	58.9	7.4	No	No	Lake Carlton Arms
NB03	RNB03-107	4	B	66	67	45.3	51.0	5.7	No	No	Lake Carlton Arms
NB03	RNB03-108	4	B	66	67	45.9	51.6	5.7	No	No	Lake Carlton Arms
NB03	RNB03-109	2	B	66	67	45.8	51.4	5.6	No	No	Lake Carlton Arms
NB03	RNB03-110	2	B	66	67	49.0	54.8	5.8	No	No	Lake Carlton Arms
NB03	RNB03-111	2	B	66	67	45.5	51.6	6.1	No	No	Lake Carlton Arms
NB03	RNB03-112	2	B	66	67	48.5	54.9	6.4	No	No	Lake Carlton Arms
NB03	RNB03-113	2	B	66	67	48.3	54.5	6.2	No	No	Lake Carlton Arms
NB03	RNB03-114	2	B	66	67	47.2	54.6	7.4	No	No	Lake Carlton Arms
NB03	RNB03-115	3	B	66	67	52.3	60.5	8.2	No	No	Lake Carlton Arms
NB03	RNB03-116	3	B	66	67	46.0	51.8	5.8	No	No	Lake Carlton Arms
NB03	RNB03-117	3	B	66	67	46.4	52.1	5.7	No	No	Lake Carlton Arms
NB03	RNB03-118	3	B	66	67	55.1	63.8	8.7	No	No	Lake Carlton Arms
NB03	RNB03-121	4	B	66	67	52.8	59.8	7.0	No	No	Lake Carlton Arms
NB03	RNB03-122	4	B	66	67	51.1	57.7	6.6	No	No	Lake Carlton Arms
NB03	RNB03-125	4	B	66	67	53.1	60.3	7.2	No	No	Lake Carlton Arms
NB03	RNB03-126	4	B	66	67	51.4	57.9	6.5	No	No	Lake Carlton Arms
NB03	RNB03-127	2	B	66	67	53.3	60.8	7.5	No	No	Lake Carlton Arms
NB03	RNB03-128	2	B	66	67	51.8	58.4	6.6	No	No	Lake Carlton Arms
NB03	RNB03-131	4	B	66	67	54.0	61.5	7.5	No	No	Lake Carlton Arms
NB03	RNB03-132	4	B	66	67	52.6	59.0	6.4	No	No	Lake Carlton Arms
NB03	RNB03-133	4	B	66	67	52.9	59.4	6.5	No	No	Lake Carlton Arms
NB03	RNB03-134	4	B	66	67	54.3	61.9	7.6	No	No	Lake Carlton Arms
NB03	RNB03-135	4	B	66	67	52.1	59.1	7.0	No	No	Lake Carlton Arms
NB03	RNB03-136	4	B	66	67	50.4	57.0	6.6	No	No	Lake Carlton Arms
NB03	RNB03-137	4	B	66	67	50.4	57.0	6.6	No	No	Lake Carlton Arms
NB03	RNB03-138	4	B	66	67	51.9	58.9	7.0	No	No	Lake Carlton Arms
NB03	RNB03-139	4	B	66	67	50.5	57.1	6.6	No	No	Lake Carlton Arms
NB03	RNB03-140	4	B	66	67	52.0	59.0	7.0	No	No	Lake Carlton Arms
NB03	RNB03-141	4	B	66	67	50.6	57.0	6.4	No	No	Lake Carlton Arms
NB03	RNB03-142	4	B	66	67	51.9	58.7	6.8	No	No	Lake Carlton Arms
NB03	RNB03-143	6	B	66	67	52.0	58.9	6.9	No	No	Lake Carlton Arms
NB03	RNB03-144	6	B	66	67	51.1	57.6	6.5	No	No	Lake Carlton Arms
NB03	RNB03-149	6	B	66	67	52.1	59.3	7.2	No	No	Lake Carlton Arms
NB03	RNB03-150	6	B	66	67	51.1	57.9	6.8	No	No	Lake Carlton Arms
NB03	RNB03-155	6	B	66	67	53.3	60.6	7.3	No	No	Lake Carlton Arms
NB03	RNB03-156	6	B	66	67	51.7	58.5	6.8	No	No	Lake Carlton Arms
NB03	RNB03-157	6	B	66	67	51.9	58.8	6.9	No	No	Lake Carlton Arms
NB03	RNB03-158	6	B	66	67	53.7	61.2	7.5	No	No	Lake Carlton Arms
NB03	RNB03-163	4	B	66	67	52.4	59.3	6.9	No	No	Lake Carlton Arms
NB03	RNB03-164	4	B	66	67	54.1	61.5	7.4	No	No	Lake Carlton Arms
NB03	RNB03-165	4	B	66	67	53.4	60.2	6.8	No	No	Lake Carlton Arms
NB03	RNB03-166	4	B	66	67	54.8	62.5	7.7	No	No	Lake Carlton Arms
NB03	RNB03-167	2	B	66	67	53.6	60.6	7.0	No	No	Lake Carlton Arms
NB03	RNB03-168	2	B	66	67	55.1	62.9	7.8	No	No	Lake Carlton Arms
NB03	RNB03-170	12	B	66	67	53.0	60.0	7.0	No	No	Lake Carlton Arms
NB03	RNB03-173	4	B	66	67	54.1	60.8	6.7	No	No	Lake Carlton Arms
NB03	RNB03-174	4	B	66	67	55.7	63.4	7.7	No	No	Lake Carlton Arms
NB03	RNB03-175	4	B	66	67	54.4	61.0	6.6	No	No	Lake Carlton Arms
NB03	RNB03-176	4	B	66	67	56.0	63.6	7.6	No	No	Lake Carlton Arms
NB03	RNB03-179	4	B	66	67	54.5	60.9	6.4	No	No	Lake Carlton Arms
NB03	RNB03-180	4	B	66	67	56.3	63.8	7.5	No	No	Lake Carlton Arms
NB03	RNB03-185	4	B	66	67	55.1	62.5	7.4	No	No	Lake Carlton Arms
NB03	RNB03-186	4	B	66	67	53.5	60.7	7.2	No	No	Lake Carlton Arms
NB03	RNB03-187	6	B	66	67	53.6	60.5	6.9	No	No	Lake Carlton Arms
NB03	RNB03-188	6	B	66	67	55.4	62.8	7.4	No	No	Lake Carlton Arms

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
NB03	RNB03-191	4	B	66	67	53.1	60.2	7.1	No	No	Lake Carlton Arms
NB03	RNB03-192	4	B	66	67	54.4	61.7	7.3	No	No	Lake Carlton Arms
NB03	RNB03-193	8	B	66	67	52.7	59.7	7.0	No	No	Lake Carlton Arms
NB03	RNB03-194	8	B	66	67	53.9	61.0	7.1	No	No	Lake Carlton Arms
NB03	RNB03-195	4	B	66	67	54.2	60.8	6.6	No	No	Lake Carlton Arms
NB03	RNB03-196	4	B	66	67	56.1	63.5	7.4	No	No	Lake Carlton Arms
NB03	RNB03-197	2	B	66	67	53.9	60.4	6.5	No	No	Lake Carlton Arms
NB03	RNB03-198	2	B	66	67	55.2	62.5	7.3	No	No	Lake Carlton Arms
NB03	RNB03-199	4	B	66	67	53.8	60.6	6.8	No	No	Lake Carlton Arms
NB03	RNB03-200	4	B	66	67	54.9	62.1	7.2	No	No	Lake Carlton Arms
NB03	RNB03-201	12	B	66	67	52.9	59.8	6.9	No	No	Lake Carlton Arms
NB03	RNB03-202	2	B	66	67	54.4	61.3	6.9	No	No	Lake Carlton Arms
NB03	RNB03-203	2	B	66	67	53.3	59.5	6.2	No	No	Lake Carlton Arms
NB03	RNB03-204	4	B	66	67	54.4	61.2	6.8	No	No	Lake Carlton Arms
NB03	RNB03-205	4	B	66	67	53.1	59.2	6.1	No	No	Lake Carlton Arms
NB03	RNB03-206	4	B	66	67	53.9	60.8	6.9	No	No	Lake Carlton Arms
NB03	RNB03-207	4	B	66	67	52.8	58.8	6.0	No	No	Lake Carlton Arms
NB03	RNB03-208	2	B	66	67	48.4	55.6	7.2	No	No	Lake Carlton Arms
NB03	RNB03-209	2	B	66	67	48.3	54.9	6.6	No	No	Lake Carlton Arms
NB03	RNB03-210	2	B	66	67	45.2	50.9	5.7	No	No	Lake Carlton Arms
NB03	RNB03-211	2	B	66	67	48.0	54.2	6.2	No	No	Lake Carlton Arms
NB03	RNB03-212	2	B	66	67	50.4	56.8	6.4	No	No	Lake Carlton Arms
NB03	RNB03-213	2	B	66	67	53.8	60.6	6.8	No	No	Lake Carlton Arms
NB03	RNB03-214	3	B	66	67	56.8	65.5	8.7	No	No	Lake Carlton Arms
NB03	RNB03-215	3	B	66	67	46.1	51.7	5.6	No	No	Lake Carlton Arms
NB03	RNB03-216	3	B	66	67	45.8	51.5	5.7	No	No	Lake Carlton Arms
NB03	RNB03-217	3	B	66	67	58.3	63.5	5.2	No	No	Lake Carlton Arms
NB03	RNB03-218	2	B	66	67	58.8	64.2	5.4	No	No	Lake Carlton Arms
NB03	RNB03-219	2	B	66	67	50.7	57.2	6.5	No	No	Lake Carlton Arms
NB03	RNB03-220	2	B	66	67	45.0	51.0	6.0	No	No	Lake Carlton Arms
NB03	RNB03-221	2	B	66	67	48.9	54.9	6.0	No	No	Lake Carlton Arms
NB03	RNB03-222	2	B	66	67	50.2	56.1	5.9	No	No	Lake Carlton Arms
NB03	RNB03-223	2	B	66	67	56.9	62.4	5.5	No	No	Lake Carlton Arms
NB03	RNB03-224	3	B	66	67	54.6	60.0	5.4	No	No	Lake Carlton Arms
NB03	RNB03-225	3	B	66	67	49.2	54.4	5.2	No	No	Lake Carlton Arms
NB03	RNB03-226	3	B	66	67	47.7	53.6	5.9	No	No	Lake Carlton Arms
NB03	RNB03-227	3	B	66	67	47.0	53.2	6.2	No	No	Lake Carlton Arms
NB03	RNB03-228	2	B	66	67	46.8	52.8	6.0	No	No	Lake Carlton Arms
NB03	RNB03-229	2	B	66	67	48.7	55.7	7.0	No	No	Lake Carlton Arms
NB03	RNB03-230	2	B	66	67	46.5	52.6	6.1	No	No	Lake Carlton Arms
NB03	RNB03-231	2	B	66	67	48.9	55.7	6.8	No	No	Lake Carlton Arms
NB03	RNB03-232	2	B	66	67	47.2	53.1	5.9	No	No	Lake Carlton Arms
NB03	RNB03-233	2	B	66	67	48.7	55.4	6.7	No	No	Lake Carlton Arms
NB03	RNB03-234	4	B	66	67	48.0	54.0	6.0	No	No	Lake Carlton Arms
NB03	RNB03-235	4	B	66	67	48.8	55.9	7.1	No	No	Lake Carlton Arms
NB03	RNB03-236	4	B	66	67	47.9	54.2	6.3	No	No	Lake Carlton Arms
NB03	RNB03-237	4	B	66	67	48.9	55.7	6.8	No	No	Lake Carlton Arms
NB03	RNB03-238	6	B	66	67	54.9	60.6	5.7	No	No	Lake Carlton Arms
NB03	RNB03-239	6	B	66	67	55.8	61.7	5.9	No	No	Lake Carlton Arms
NB03	RNB03-240	6	B	66	67	55.0	60.9	5.9	No	No	Lake Carlton Arms
NB03	RNB03-241	6	B	66	67	54.7	60.8	6.1	No	No	Lake Carlton Arms
NB03	RNB03-242	6	B	66	67	54.0	60.1	6.1	No	No	Lake Carlton Arms
NB03	RNB03-243	6	B	66	67	55.4	62.6	7.2	No	No	Lake Carlton Arms
NB04	RNB04-001	1	B	66	67	69.6	74.4	4.8	Yes	No	Cheval West Village
NB04	RNB04-002	1	B	66	67	67.3	72.4	5.1	Yes	No	Cheval West Village
NB04	RNB04-003	1	B	66	67	66.5	71.6	5.1	Yes	No	Cheval West Village
NB04	RNB04-004	1	B	66	67	65.1	70.5	5.4	Yes	No	Cheval West Village
NB04	RNB04-005	1	B	66	67	63.1	69.3	6.2	Yes	No	Cheval West Village
NB04	RNB04-006	1	B	66	67	62.6	68.7	6.1	Yes	No	Cheval West Village
NB04	RNB04-007	1	B	66	67	61.9	68.0	6.1	Yes	No	Cheval West Village
NB04	RNB04-008	1	B	66	67	61.1	67.0	5.9	Yes	No	Cheval West Village
NB04	RNB04-009	2	B	66	67	60.2	66.4	6.2	Yes	No	Cheval West Village
NB04	RNB04-010	2	B	66	67	59.0	65.2	6.2	No	No	Cheval West Village
NB04	RNB04-011	2	B	66	67	57.9	64.2	6.3	No	No	Cheval West Village
NB04	RNB04-012	3	B	66	67	56.8	63.1	6.3	No	No	Cheval West Village
NB04	RNB04-013	3	B	66	67	55.4	61.4	6.0	No	No	Cheval West Village
NB04	RNB04-014	3	B	66	67	54.5	61.1	6.6	No	No	Cheval West Village
NB04	RNB04-015	4	B	66	67	54.0	60.7	6.7	No	No	Cheval West Village
NB04	RNB04-016	4	B	66	67	53.3	59.9	6.6	No	No	Cheval West Village
NB04	RNB04-017	3	B	66	67	53.7	60.6	6.9	No	No	Cheval West Village
NB04	RNB04-018	3	B	66	67	54.9	62.1	7.2	No	No	Cheval West Village
NB04	RNB04-019	4	B	66	67	55.0	61.9	6.9	No	No	Cheval West Village
NB04	RNB04-020	3	B	66	67	55.9	62.8	6.9	No	No	Cheval West Village
NB04	RNB04-021	3	B	66	67	56.5	63.3	6.8	No	No	Cheval West Village
NB04	RNB04-022	3	B	66	67	57.0	63.9	6.9	No	No	Cheval West Village
NB04	RNB04-023	2	B	66	67	55.3	61.8	6.5	No	No	Cheval West Village
NB04	RNB04-024	2	B	66	67	61.2	67.9	6.7	Yes	No	Cheval West Village
NB04	RNB04-025	3	B	66	67	62.1	68.6	6.5	Yes	No	Cheval West Village

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
NB04	RNB04-026	1	B	66	67	65.6	71.7	6.1	Yes	No	Cheval West Village
NB04	RNB04-027	1	B	66	67	64.6	70.5	5.9	Yes	No	Cheval West Village
NB04	RNB04-028	1	B	66	67	63.4	69.6	6.2	Yes	No	Cheval West Village
NB04	RNB04-029	2	B	66	67	61.7	67.6	5.9	Yes	No	Cheval West Village
NB04	RNB04-030	3	B	66	67	55.6	62.3	6.7	No	No	Cheval West Village
NB04	RNB04-031	2	B	66	67	56.1	63.2	7.1	No	No	Cheval West Village
NB04	RNB04-032	1	B	66	67	65.5	71.6	6.1	Yes	No	Cheval West Village
NB04	RNB04-033	1	B	66	67	63.7	70.3	6.6	Yes	No	Cheval West Village
NB04	RNB04-034	2	B	66	67	63.9	70.6	6.7	Yes	No	Cheval West Village
NB04	RNB04-035	2	B	66	67	64.6	71.2	6.6	Yes	No	Cheval West Village
NB04	RNB04-036	2	B	66	67	57.2	64.3	7.1	No	No	Cheval West Village
NB04	RNB04-037	2	B	66	67	57.3	63.6	6.3	No	No	Cheval West Village
NB04	RNB04-038	2	B	66	67	58.1	64.9	6.8	No	No	Cheval West Village
NB04	RNB04-039	2	B	66	67	60.2	68.5	8.3	Yes	No	Cheval West Village
NB04	RNB04-040	1	B	66	67	61.3	69.8	8.5	Yes	No	Cheval West Village
NB04	RNB04-041	1	B	66	67	62.2	70.4	8.2	Yes	No	Cheval West Village
NB04	RNB04-042	1	B	66	67	64.1	73.1	9.0	Yes	No	Cheval West Village
NB04	RNB04-043	5	B	66	67	53.9	61.4	7.5	No	No	Cheval West Village
NB04	RNB04-044	2	B	66	67	55.5	63.4	7.9	No	No	Cheval West Village
NB04	RNB04-045	2	B	66	67	53.7	61.6	7.9	No	No	Cheval West Village
NB04	RNB04-046	3	B	66	67	57.3	65.4	8.1	No	No	Cheval West Village
NB04	RNB04-047	3	B	66	67	53.3	60.8	7.5	No	No	Cheval West Village
NB04	RNB04-048	2	B	66	67	58.4	66.6	8.2	Yes	No	Cheval West Village
NB04	RNB04-049	2	B	66	67	53.9	61.6	7.7	No	No	Cheval West Village
NB04	RNB04-050	2	B	66	67	59.1	67.4	8.3	Yes	No	Cheval West Village
NB04	RNB04-051	2	B	66	67	53.8	60.8	7.0	No	No	Cheval West Village
NB04	RNB04-052	2	B	66	67	59.8	67.8	8.0	Yes	No	Cheval West Village
NB04	RNB04-053	3	B	66	67	53.7	60.4	6.7	No	No	Cheval West Village
NB04	RNB04-054	2	B	66	67	60.4	68.0	7.6	Yes	No	Cheval West Village
NB04	RNB04-055	2	B	66	67	60.5	67.7	7.2	Yes	No	Cheval West Village
NB04	RNB04-056	2	B	66	67	60.4	67.4	7.0	Yes	No	Cheval West Village
NB04	RNB04-057	2	B	66	67	54.3	60.9	6.6	No	No	Cheval West Village
NB04	RNB04-058	2	B	66	67	60.5	67.8	7.3	Yes	No	Cheval West Village
NB04	RNB04-059	3	B	66	67	56.0	62.5	6.5	No	No	Cheval West Village
NB04	RNB04-060	2	B	66	67	58.6	65.5	6.9	No	No	Cheval West Village
NB04	RNB04-061	2	B	66	67	61.2	68.9	7.7	Yes	No	Cheval West Village
NB04	RNB04-062	1	B	66	67	61.9	69.8	7.9	Yes	No	Cheval West Village
NB04	RNB04-063	1	B	66	67	62.5	70.4	7.9	Yes	No	Cheval West Village
NB04	RNB04-064	2	B	66	67	59.9	66.9	7.0	Yes	No	Cheval West Village
NB04	RNB04-065	1	B	66	67	60.7	67.8	7.1	Yes	No	Cheval West Village
NB04	RNB04-066	1	B	66	67	61.7	68.5	6.8	Yes	No	Cheval West Village
NB04	RNB04-067	3	B	66	67	54.7	60.8	6.1	No	No	Cheval West Village
NB04	RNB04-068	2	B	66	67	59.0	66.0	7.0	No	No	Cheval West Village
NB04	RNB04-069	3	B	66	67	57.2	63.9	6.7	No	No	Cheval West Village
NB04	RNB04-070	2	B	66	67	54.0	61.0	7.0	No	No	Cheval West Village
NB04	RNB04-071	2	B	66	67	54.8	62.1	7.3	No	No	Cheval West Village
NB04	RNB04-072	2	B	66	67	56.8	64.2	7.4	No	No	Cheval West Village
NB04	RNB04-073	2	B	66	67	57.6	65.1	7.5	No	No	Cheval West Village
NB04	RNB04-074	4	B	66	67	57.5	62.5	5.0	No	No	Cheval West Village
NB04	RNB04-075	3	B	66	67	57.1	62.7	5.6	No	No	Cheval West Village
NB04	RNB04-076	3	B	66	67	56.9	63.4	6.5	No	No	Cheval West Village
NB04	RNB04-077	3	B	66	67	57.8	64.5	6.7	No	No	Cheval West Village
NB04	RNB04-078	2	B	66	67	58.4	65.1	6.7	No	No	Cheval West Village
NB04	RNB04-079	2	B	66	67	57.8	64.8	7.0	No	No	Cheval West Village
NB04	RNB04-080	2	B	66	67	60.0	66.6	6.6	Yes	No	Cheval West Village
NB04	RNB04-081	2	B	66	67	60.6	67.6	7.0	Yes	No	Cheval West Village
NB04	RNB04-082	1	B	66	67	61.4	68.3	6.9	Yes	No	Cheval West Village
NB04	RNB04-083	1	B	66	67	61.6	68.9	7.3	Yes	No	Cheval West Village
NB04	RNB04-084	1	B	66	67	63.2	69.4	6.2	Yes	No	Cheval West Village
NB04	RNB04-085	1	B	66	67	64.3	69.7	5.4	Yes	No	Cheval West Village
NB04	RNB04-086	1	B	66	67	65.3	69.1	3.8	Yes	No	Cheval West Village
NB04	RNB04-087	3	B	66	67	66.2	69.5	3.3	Yes	No	Cheval West Village
NB04	RNB04-088	2	B	66	67	64.2	69.4	5.2	Yes	No	Cheval West Village
NB04	RNB04-089	2	B	66	67	63.5	69.1	5.6	Yes	No	Cheval West Village
NB04	RNB04-090	2	B	66	67	63.0	68.4	5.4	Yes	No	Cheval West Village
NB04	RNB04-091	4	B	66	67	62.6	68.2	5.6	Yes	No	Cheval West Village
NB04	RNB04-092	4	B	66	67	61.7	67.1	5.4	Yes	No	Cheval West Village
NB04	RNB04-093	4	B	66	67	61.5	66.6	5.1	Yes	No	Cheval West Village
NB04	RNB04-094	4	B	66	67	60.7	65.8	5.1	No	No	Cheval West Village
NB04	RNB04-095	4	B	66	67	59.5	64.9	5.4	No	No	Cheval West Village
NB04	RNB04-096	5	B	66	67	59.4	64.4	5.0	No	No	Cheval West Village
NB04	RNB04-097	1	B	66	67	59.8	64.3	4.5	No	No	Cheval West Village
NB04	RNB04-098	4	B	66	67	59.4	63.9	4.5	No	No	Cheval West Village
NB04	RNB04-099	1	B	66	67	67.5	70.1	2.6	Yes	No	Cheval West Village
NB04	RNB04-100	1	B	66	67	67.8	71.8	4.0	Yes	No	Cheval West Village
NB04	RNB04-101	1	B	66	67	68.0	72.8	4.8	Yes	No	Cheval West Village
NB04	RNB04-102	1	B	66	67	67.3	72.4	5.1	Yes	No	Cheval West Village
NB04	RNB04-103	1	B	66	67	66.2	71.0	4.8	Yes	No	Cheval West Village

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
NB04	RNB04-104	2	B	66	67	66.8	71.8	5.0	Yes	No	Cheval West Village
NB04	RNB04-105	1	B	66	67	67.2	72.2	5.0	Yes	No	Cheval West Village
NB04	RNB04-106	2	B	66	67	67.1	72.0	4.9	Yes	No	Cheval West Village
NB04	RNB04-107	2	B	66	67	66.4	70.8	4.4	Yes	No	Cheval West Village
NB04	RNB04-108	2	B	66	67	68.4	72.8	4.4	Yes	No	Cheval West Village
NB04	RNB04-109	3	B	66	67	66.1	70.4	4.3	Yes	No	Cheval West Village
NB04	RNB04-110	3	B	66	67	66.9	71.2	4.3	Yes	No	Cheval West Village
NB04	RNB04-111	4	B	66	67	65.3	69.4	4.1	Yes	No	Cheval West Village
NB06	RNB06-001	2	B	66	67	58.8	63.5	4.7	No	No	Villarosa
NB06	RNB06-002	2	B	66	67	57.0	62.3	5.3	No	No	Villarosa
NB06	RNB06-003	2	B	66	67	55.4	60.7	5.3	No	No	Villarosa
NB06	RNB06-004	3	B	66	67	54.0	59.2	5.2	No	No	Villarosa
NB06	RNB06-005	1	B	66	67	55.6	60.6	5.0	No	No	Sierra Pines
NB06	RNB06-006	1	B	66	67	53.6	58.6	5.0	No	No	Sierra Pines
NB06	RNB06-007	1	B	66	67	54.9	60.1	5.2	No	No	Sierra Pines
NB06	RNB06-008	2	B	66	67	53.8	58.7	4.9	No	No	Sierra Pines
NB06	RNB06-009	1	B	66	67	55.1	60.6	5.5	No	No	Sierra Pines
NB06	RNB06-010	2	B	66	67	55.5	61.3	5.8	No	No	Sierra Pines
NB06	RNB06-011	2	B	66	67	55.4	61.0	5.6	No	No	Sierra Pines
NB06	RNB06-012	2	B	66	67	53.0	57.8	4.8	No	No	Sierra Pines
NB06	RNB06-013	1	B	66	67	52.6	57.6	5.0	No	No	Sierra Pines
NB06	RNB06-014	1	B	66	67	54.7	60.3	5.6	No	No	Sierra Pines
NB06	RNB06-015	2	B	66	67	54.0	59.1	5.1	No	No	Sierra Pines
NB06	RNB06-016	2	B	66	67	55.2	59.9	4.7	No	No	Sierra Pines
NB06	RNB06-017	1	B	66	67	55.8	60.7	4.9	No	No	Sierra Pines
NB06	RNB06-018	1	B	66	67	58.7	63.3	4.6	No	No	Sierra Pines
NB06	RNB06-019	1	B	66	67	58.0	62.3	4.3	No	No	Sierra Pines
NB08	RNB08-001	12	B	66	67	57.7	62.3	4.6	No	No	The Iris at Northpointe
NB08	RNB08-002	12	B	66	67	58.6	63.6	5.0	No	No	The Iris at Northpointe
NB08	RNB08-003	12	B	66	67	59.9	65.5	5.6	No	No	The Iris at Northpointe
NB08	RNB08-007	12	B	66	67	57.9	62.3	4.4	No	No	The Iris at Northpointe
NB08	RNB08-008	12	B	66	67	58.4	63.0	4.6	No	No	The Iris at Northpointe
NB08	RNB08-009	12	B	66	67	59.9	65.0	5.1	No	No	The Iris at Northpointe
NB10	RNB10-001	1	B	66	67	63.7	67.0	3.3	Yes	No	Single Family Residence
NB12	RNB12-001	4	B	66	67	55.4	57.1	1.7	No	No	Bexley South
NB12	RNB12-002	4	B	66	67	56.8	60.2	3.4	No	No	Bexley South
NB12	RNB12-003	4	B	66	67	54.8	58.3	3.5	No	No	Bexley South
NB12	RNB12-004	3	B	66	67	57.4	61.0	3.6	No	No	Bexley South
NB12	RNB12-005	3	B	66	67	56.5	60.3	3.8	No	No	Bexley South
NB12	RNB12-006	6	B	66	67	56.9	61.3	4.4	No	No	Bexley South
NB12	RNB12-007	3	B	66	67	57.6	61.0	3.4	No	No	Bexley South
NB12	RNB12-008	3	B	66	67	55.2	59.1	3.9	No	No	Bexley South
NB12	RNB12-009	3	B	66	67	55.9	57.9	2.0	No	No	Bexley South
NB12	RNB12-010	4	B	66	67	52.9	55.9	3.0	No	No	Bexley South
NB12	RNB12-011	3	B	66	67	55.3	56.2	0.9	No	No	Bexley South
NB12	RNB12-012	3	B	66	67	52.2	55.2	3.0	No	No	Bexley South
NB12	RNB12-013	2	B	66	67	61.9	64.4	2.5	No	No	Bexley South
NB12	RNB12-014	1	B	66	67	60.7	63.1	2.4	No	No	Bexley South
NB12	RNB12-015	2	B	66	67	59.3	61.9	2.6	No	No	Bexley South
NB12	RNB12-016	3	B	66	67	58.1	60.1	2.0	No	No	Bexley South
NB12	RNB12-017	3	B	66	67	56.9	58.4	1.5	No	No	Bexley South
NB12	RNB12-018	3	B	66	67	54.4	56.5	2.1	No	No	Bexley South
NB12	RNB12-019	3	B	66	67	54.6	57.3	2.7	No	No	Bexley South
NB12	RNB12-020	3	B	66	67	55.8	57.1	1.3	No	No	Bexley South
NB12	RNB12-021	3	B	66	67	55.0	56.1	1.1	No	No	Bexley South
NB12	RNB12-022	1	B	66	67	62.4	64.0	1.6	No	No	Bexley South
NB12	RNB12-023	2	B	66	67	59.3	61.6	2.3	No	No	Bexley South
NB12	RNB12-024	2	B	66	67	58.2	60.8	2.6	No	No	Bexley South
NB12	RNB12-025	2	B	66	67	56.7	59.0	2.3	No	No	Bexley South
NB12	RNB12-026	2	B	66	67	57.0	58.8	1.8	No	No	Bexley South
NB12	RNB12-027	3	B	66	67	57.3	59.0	1.7	No	No	Bexley South
NB12	RNB12-028	3	B	66	67	56.0	57.2	1.2	No	No	Bexley South
NB16	RNB16-001	1	B	66	67	64.1	65.4	1.3	No	No	Deerfield Lakes
NB16	RNB16-002	2	B	66	67	64.9	65.9	1.0	No	No	Deerfield Lakes
NB16	RNB16-003	2	B	66	67	65.2	66.4	1.2	Yes	No	Deerfield Lakes
NB16	RNB16-004	2	B	66	67	65.9	66.8	0.9	Yes	No	Deerfield Lakes
NB16	RNB16-005	1	B	66	67	64.8	66.4	1.6	Yes	No	Deerfield Lakes
NB16	RNB16-006	1	B	66	67	66.4	68.0	1.6	Yes	No	Deerfield Lakes
NB16	RNB16-007	2	B	66	67	68.8	70.5	1.7	Yes	No	Deerfield Lakes
NB16	RNB16-008	3	B	66	67	68.0	70.3	2.3	Yes	No	Deerfield Lakes
NB16	RNB16-009	5	B	66	67	66.6	69.6	3.0	Yes	No	Deerfield Lakes
NB16	RNB16-010	2	B	66	67	66.5	69.1	2.6	Yes	No	Deerfield Lakes
NB16	RNB16-011	1	B	66	67	65.2	67.8	2.6	Yes	No	Deerfield Lakes
NB16	RNB16-012	1	B	66	67	63.6	65.9	2.3	No	No	Deerfield Lakes
NB16	RNB16-013	2	B	66	67	62.1	64.5	2.4	No	No	Deerfield Lakes
NB16	RNB16-014	2	B	66	67	61.9	64.3	2.4	No	No	Deerfield Lakes
NB16	RNB16-015	2	B	66	67	57.5	58.9	1.4	No	No	Deerfield Lakes
NB16	RNB16-016	2	B	66	67	59.6	61.3	1.7	No	No	Deerfield Lakes

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
NB16	RNB16-017	3	B	66	67	58.8	60.2	1.4	No	No	Deerfield Lakes
NB16	RNB16-018	4	B	66	67	58.5	60.1	1.6	No	No	Deerfield Lakes
NB16	RNB16-019	4	B	66	67	58.4	59.9	1.5	No	No	Deerfield Lakes
NB16	RNB16-020	3	B	66	67	57.7	59.2	1.5	No	No	Deerfield Lakes
NB16	RNB16-021	4	B	66	67	58.6	60.2	1.6	No	No	Deerfield Lakes
NB16	RNB16-022	3	B	66	67	57.8	59.7	1.9	No	No	Deerfield Lakes
NB16	RNB16-023	4	B	66	67	57.2	58.8	1.6	No	No	Deerfield Lakes
NB16	RNB16-024	4	B	66	67	57.9	59.7	1.8	No	No	Deerfield Lakes
NB16	RNB16-025	4	B	66	67	59.1	60.6	1.5	No	No	Deerfield Lakes
NB16	RNB16-026	5	B	66	67	57.5	59.2	1.7	No	No	Deerfield Lakes
NB16	RNB16-027	4	B	66	67	56.9	58.8	1.9	No	No	Deerfield Lakes
NB16	RNB16-028	3	B	66	67	56.7	58.6	1.9	No	No	Deerfield Lakes
NB16	RNB16-029	3	B	66	67	55.6	57.3	1.7	No	No	Deerfield Lakes
NB16	RNB16-030	2	B	66	67	54.7	56.2	1.5	No	No	Deerfield Lakes
NB16	RNB16-031	4	B	66	67	54.3	55.7	1.4	No	No	Deerfield Lakes
NB16	RNB16-032	2	B	66	67	53.9	55.1	1.2	No	No	Deerfield Lakes
NB16	RNB16-033	4	B	66	67	55.6	57.3	1.7	No	No	Deerfield Lakes
NB16	RNB16-034	4	B	66	67	55.6	57.1	1.5	No	No	Deerfield Lakes
NB16	RNB16-035	3	B	66	67	55.9	57.4	1.5	No	No	Deerfield Lakes
NB16	RNB16-036	3	B	66	67	55.6	56.7	1.1	No	No	Deerfield Lakes
NB16	RNB16-037	2	B	66	67	54.4	55.2	0.8	No	No	Deerfield Lakes
NB16	RNB16-038	1	B	66	67	52.2	52.7	0.5	No	No	Deerfield Lakes
NB16	RNB16-039	3	B	66	67	55.7	56.6	0.9	No	No	Deerfield Lakes
NB16	RNB16-040	2	B	66	67	57.9	59.7	1.8	No	No	Deerfield Lakes
NB16	RNB16-041	2	B	66	67	58.0	59.6	1.6	No	No	Deerfield Lakes
NB16	RNB16-042	3	B	66	67	56.7	58.5	1.8	No	No	Deerfield Lakes
NB16	RNB16-043	2	B	66	67	59.4	61.0	1.6	No	No	Deerfield Lakes
NB16	RNB16-044	1	B	66	67	60.0	61.8	1.8	No	No	Deerfield Lakes
NB16	RNB16-045	1	B	66	67	62.9	64.9	2.0	No	No	Deerfield Lakes
NB16	RNB16-046	1	B	66	67	64.3	66.3	1.5	Yes	No	Deerfield Lakes
NB16	RNB16-047	1	B	66	67	61.7	62.8	1.1	No	No	Deerfield Lakes
NB16	RNB16-048	2	B	66	67	60.9	61.6	0.7	No	No	Deerfield Lakes
NB16	RNB16-049	2	B	66	67	60.2	60.6	0.4	No	No	Deerfield Lakes
NB16	RNB16-050	2	B	66	67	59.9	59.9	0.0	No	No	Deerfield Lakes
NB16	RNB16-051	3	B	66	67	59.7	59.3	0.4	No	No	Deerfield Lakes
NB16	RNB16-052	3	B	66	67	58.3	58.8	0.5	No	No	Deerfield Lakes
NB16	RNB16-053	3	B	66	67	56.7	57.2	0.5	No	No	Deerfield Lakes
NB16	RNB16-054	3	B	66	67	56.7	57.0	0.3	No	No	Deerfield Lakes
NB16	RNB16-055	3	B	66	67	55.0	55.0	0.0	No	No	Deerfield Lakes
NB16	RNB16-056	3	B	66	67	53.6	53.4	0.2	No	No	Deerfield Lakes
NB16	RNB16-057	4	B	66	67	54.8	54.7	0.1	No	No	Deerfield Lakes
NB16	RNB16-058	4	B	66	67	55.8	55.5	0.3	No	No	Deerfield Lakes
NB16	RNB16-059	3	B	66	67	58.0	57.6	0.4	No	No	Deerfield Lakes
NB16	RNB16-060	3	B	66	67	57.5	57.1	0.4	No	No	Deerfield Lakes
NB16	RNB16-061	3	B	66	67	56.9	56.4	0.5	No	No	Deerfield Lakes
NB16	RNB16-062	2	B	66	67	56.9	56.5	0.4	No	No	Deerfield Lakes
NB16	RNB16-063	4	B	66	67	55.3	54.8	0.5	No	No	Deerfield Lakes
SB01	RSB01-001	1	B	66	67	71.6	72.8	1.2	Yes	No	Lake Keystone
SB01	RSB01-002	1	B	66	67	65.6	67.9	2.3	Yes	No	Lake Keystone
SB01	RSB01-003	1	B	66	67	62.0	64.2	2.2	No	No	Lake Keystone
SB01	RSB01-004	1	B	66	67	60.5	62.6	2.1	No	No	Lake Keystone
SB01	RSB01-005	2	B	66	67	59.6	61.6	2.0	No	No	Lake Keystone
SB01	RSB01-006	4	B	66	67	57.4	58.5	1.1	No	No	Lake Keystone
SB01	RSB01-007	1	B	66	67	59.6	61.3	1.7	No	No	Lake Keystone
SB01	RSB01-008	4	B	66	67	57.6	58.4	0.8	No	No	Lake Keystone
SB01	RSB01-009	1	B	66	67	59.9	62.5	2.6	No	No	Lake Keystone
SB01	RSB01-010	1	B	66	67	61.3	64.2	2.9	No	No	Lake Keystone
SB01	RSB01-011	1	B	66	67	59.5	62.3	2.8	No	No	Lake Keystone
SB01	RSB01-012	1	B	66	67	55.9	57.4	1.5	No	No	Lake Keystone
SB01	RSB01-013	2	B	66	67	58.2	60.5	2.3	No	No	Lake Keystone
SB01	RSB01-014	1	B	66	67	60.8	63.6	2.8	No	No	Lake Keystone
SB01	RSB01-015	2	B	66	67	61.3	64.1	2.8	No	No	Lake Keystone
SB01	RSB01-016	1	B	66	67	62.5	66.2	3.7	Yes	No	Lake Keystone
SB01	RSB01-017	2	B	66	67	59.2	62.5	3.3	No	No	Lake Keystone
SB01	RSB01-018	1	B	66	67	58.7	62.7	4.0	No	No	Lake Keystone
SB03	RSB03-001	1	B	66	67	67.6	75.9	8.3	Yes	No	Zambito Estates
SB03	RSB03-002	1	B	66	67	59.9	68.0	8.1	Yes	No	Zambito Estates
SB03	RSB03-003	1	B	66	67	51.9	59.6	7.7	No	No	Zambito Estates
SB03	RSB03-004	1	B	66	67	55.5	63.8	8.3	No	No	Zambito Estates
SB03	RSB03-005	1	B	66	67	58.4	66.3	7.9	Yes	No	Zambito Estates
SB03	RSB03-006	1	B	66	67	55.6	63.8	8.2	No	No	Zambito Estates
SB03	RSB03-007	1	B	66	67	54.3	62.4	8.1	No	No	Zambito Estates
SB03	RSB03-008	1	B	66	67	52.4	60.0	7.6	No	No	Zambito Estates
SB03	RSB03-009	1	B	66	67	56.4	63.0	6.6	No	No	Zambito Estates
SB03	RSB03-010	1	B	66	67	58.7	64.9	6.2	No	No	Zambito Estates
SB04	RSB04-002	3	B	66	67	60.0	65.9	5.9	No	No	Cheval West Village
SB04	RSB04-003	4	B	66	67	58.1	64.1	6.0	No	No	Cheval West Village
SB04	RSB04-004	4	B	66	67	55.3	61.4	6.1	No	No	Cheval West Village

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
SB04	RSB04-005	1	B	66	67	55.2	61.2	6.0	No	No	Cheval West Village
SB04	RSB04-006	4	B	66	67	56.1	62.3	6.2	No	No	Cheval West Village
SB04	RSB04-007	3	B	66	67	57.9	63.9	6.0	No	No	Cheval West Village
SB04	RSB04-008	3	B	66	67	59.2	65.2	6.0	No	No	Cheval West Village
SB04	RSB04-009	2	B	66	67	60.2	66.9	6.7	Yes	No	Cheval West Village
SB04	RSB04-010	2	B	66	67	59.8	66.8	7.0	Yes	No	Cheval West Village
SB04	RSB04-011	4	B	66	67	58.2	64.7	6.5	No	No	Cheval West Village
SB04	RSB04-012	3	B	66	67	57.4	63.9	6.5	No	No	Cheval West Village
SB04	RSB04-013	3	B	66	67	58.3	64.8	6.5	No	No	Cheval West Village
SB04	RSB04-014	1	B	66	67	58.0	64.8	6.8	No	No	Cheval West Village
SB04	RSB04-015	3	B	66	67	56.7	63.3	6.6	No	No	Cheval West Village
SB04	RSB04-016	3	B	66	67	55.9	62.3	6.4	No	No	Cheval West Village
SB04	RSB04-017	3	B	66	67	54.5	61.0	6.5	No	No	Cheval West Village
SB04	RSB04-018	4	B	66	67	55.6	62.6	7.0	No	No	Cheval West Village
SB04	RSB04-019	4	B	66	67	53.5	59.9	6.4	No	No	Cheval West Village
SB04	RSB04-020	4	B	66	67	54.8	61.8	7.0	No	No	Cheval West Village
SB04	RSB04-021	1	B	66	67	69.4	75.0	5.6	Yes	No	Cheval West Village
SB04	RSB04-022	1	B	66	67	67.8	74.0	6.2	Yes	No	Cheval West Village
SB04	RSB04-023	1	B	66	67	66.6	73.0	6.4	Yes	No	Cheval West Village
SB04	RSB04-024	1	B	66	67	65.3	71.9	6.6	Yes	No	Cheval West Village
SB04	RSB04-025	1	B	66	67	71.6	74.7	3.1	Yes	No	Cheval West Village
SB04	RSB04-026	1	B	66	67	64.3	70.3	6.0	Yes	No	Cheval West Village
SB04	RSB04-027	1	B	66	67	64.6	71.0	6.4	Yes	No	Cheval West Village
SB04	RSB04-028	1	B	66	67	62.8	69.8	7.0	Yes	No	Cheval West Village
SB04	RSB04-029	2	B	66	67	61.8	69.2	7.4	Yes	No	Cheval West Village
SB04	RSB04-030	2	B	66	67	60.9	69.0	8.1	Yes	No	Cheval West Village
SB04	RSB04-031	2	B	66	67	61.0	68.8	7.8	Yes	No	Cheval West Village
SB04	RSB04-032	2	B	66	67	61.9	69.3	7.4	Yes	No	Cheval West Village
SB04	RSB04-033	2	B	66	67	59.6	67.0	7.4	Yes	No	Cheval West Village
SB04	RSB04-034	2	B	66	67	58.9	66.9	8.0	Yes	No	Cheval West Village
SB04	RSB04-035	2	B	66	67	60.3	67.7	7.4	Yes	No	Cheval West Village
SB04	RSB04-036	2	B	66	67	57.7	65.4	7.7	No	No	Cheval West Village
SB04	RSB04-037	2	B	66	67	60.2	67.8	7.6	Yes	No	Cheval West Village
SB04	RSB04-038	2	B	66	67	57.8	65.4	7.6	No	No	Cheval West Village
SB04	RSB04-039	3	B	66	67	59.6	66.7	7.1	Yes	No	Cheval West Village
SB04	RSB04-040	3	B	66	67	62.0	68.9	6.9	Yes	No	Cheval West Village
SB04	RSB04-041	2	B	66	67	60.8	67.6	6.8	Yes	No	Cheval West Village
SB04	RSB04-042	2	B	66	67	65.0	71.8	6.8	Yes	No	Cheval West Village
SB04	RSB04-043	1	B	66	67	64.6	71.0	6.4	Yes	No	Cheval West Village
SB04	RSB04-044	2	B	66	67	62.4	68.9	6.5	Yes	No	Cheval West Village
SB04	RSB04-045	1	B	66	67	63.6	70.0	6.4	Yes	No	Cheval West Village
SB04	RSB04-046	1	B	66	67	67.8	72.8	5.0	Yes	No	Cheval West Village
SB04	RSB04-047	2	B	66	67	62.2	68.5	6.3	Yes	No	Cheval West Village
SB04	RSB04-048	1	B	66	67	61.1	67.6	6.5	Yes	No	Cheval West Village
SB04	RSB04-049	1	B	66	67	64.7	71.3	6.6	Yes	No	Cheval West Village
SB04	RSB04-050	2	B	66	67	62.4	69.5	7.1	Yes	No	Cheval West Village
SB04	RSB04-051	2	B	66	67	60.4	67.5	7.1	Yes	No	Cheval West Village
SB04	RSB04-052	3	B	66	67	58.5	65.7	7.2	No	No	Cheval West Village
SB04	RSB04-053	3	B	66	67	56.6	63.5	6.9	No	No	Cheval West Village
SB04	RSB04-054	3	B	66	67	54.9	61.6	6.7	No	No	Cheval West Village
SB04	RSB04-055	3	B	66	67	55.4	62.0	6.6	No	No	Cheval West Village
SB04	RSB04-056	3	B	66	67	57.5	64.0	6.5	No	No	Cheval West Village
SB04	RSB04-057	2	B	66	67	59.2	65.5	6.3	No	No	Cheval West Village
SB04	RSB04-058	2	B	66	67	60.4	66.7	6.3	Yes	No	Cheval West Village
SB04	RSB04-059	2	B	66	67	62.5	68.6	6.1	Yes	No	Cheval West Village
SB04	RSB04-060	1	B	66	67	63.7	69.8	6.1	Yes	No	Cheval West Village
SB04	RSB04-061	1	B	66	67	64.6	69.3	4.7	Yes	No	Cheval West Village
SB04	RSB04-062	1	B	66	67	63.3	68.1	4.8	Yes	No	Cheval West Village
SB04	RSB04-063	2	B	66	67	62.9	67.6	4.7	Yes	No	Cheval West Village
SB04	RSB04-064	2	B	66	67	61.1	65.2	4.1	No	No	Cheval West Village
SB04	RSB04-065	1	B	66	67	66.1	70.7	4.6	Yes	No	Cheval West Village
SB04	RSB04-066	1	B	66	67	65.6	70.6	5.0	Yes	No	Cheval West Village
SB04	RSB04-067	1	B	66	67	65.0	70.0	5.0	Yes	No	Cheval West Village
SB04	RSB04-068	1	B	66	67	63.6	68.8	5.2	Yes	No	Cheval West Village
SB04	RSB04-069	2	B	66	67	63.6	68.6	5.0	Yes	No	Cheval West Village
SB04	RSB04-070	2	B	66	67	59.2	65.0	5.8	No	No	Cheval West Village
SB04	RSB04-071	3	B	66	67	57.3	63.2	5.9	No	No	Cheval West Village
SB04	RSB04-072	2	B	66	67	63.1	68.2	5.1	Yes	No	Cheval West Village
SB04	RSB04-073	2	B	66	67	62.9	68.0	5.1	Yes	No	Cheval West Village
SB04	RSB04-074	3	B	66	67	56.8	62.6	5.8	No	No	Cheval West Village
SB04	RSB04-075	4	B	66	67	56.9	62.8	5.9	No	No	Cheval West Village
SB04	RSB04-076	2	B	66	67	62.7	67.7	5.0	Yes	No	Cheval West Village
SB04	RSB04-077	1	B	66	67	63.9	68.5	4.6	Yes	No	Cheval West Village
SB04	RSB04-078	1	B	66	67	65.4	69.4	4.0	Yes	No	Cheval West Village
SB04	RSB04-079	2	B	66	67	65.8	69.8	4.0	Yes	No	Cheval West Village
SB04	RSB04-080	1	B	66	67	64.8	69.3	4.5	Yes	No	Cheval West Village
SB04	RSB04-081	2	B	66	67	63.2	68.3	5.1	Yes	No	Cheval West Village
SB04	RSB04-082	1	B	66	67	59.9	65.4	5.5	No	No	Cheval West Village

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
SB04	RSB04-083	2	B	66	67	58.5	65.0	6.5	No	No	Cheval West Village
SB04	RSB04-084	2	B	66	67	58.9	65.2	6.3	No	No	Cheval West Village
SB04	RSB04-085	2	B	66	67	59.6	65.7	6.1	No	No	Cheval West Village
SB04	RSB04-086	2	B	66	67	61.9	67.5	5.6	Yes	No	Cheval West Village
SB04	RSB04-087	3	B	66	67	62.0	67.6	5.6	Yes	No	Cheval West Village
SB04	RSB04-088	3	B	66	67	59.8	65.7	5.9	No	No	Cheval West Village
SB04	RSB04-089	3	B	66	67	62.2	67.6	5.4	Yes	No	Cheval West Village
SB04	RSB04-090	4	B	66	67	60.3	65.1	4.8	No	No	Cheval West Village
SB04	RSB04-091	3	B	66	67	62.5	67.8	5.3	Yes	No	Cheval West Village
SB04	RSB04-092	3	B	66	67	62.7	66.8	4.1	Yes	No	Cheval West Village
SB04	RSB04-093	2	B	66	67	64.6	69.2	4.6	Yes	No	Cheval West Village
SB04	RSB04-094	2	B	66	67	64.2	68.8	4.6	Yes	No	Cheval West Village
SB04	RSB04-095	2	B	66	67	66.9	69.5	2.6	Yes	No	Cheval West Village
SB04	RSB04-096	1	B	66	67	67.9	70.3	2.4	Yes	No	Cheval West Village
SB04	RSB04-097	1	B	66	67	68.9	70.6	1.7	Yes	No	Cheval West Village
SB04	RSB04-098	2	B	66	67	65.4	69.1	3.7	Yes	No	Cheval West Village
SB04	RSB04-099	2	B	66	67	67.1	70.6	3.5	Yes	No	Cheval West Village
SB04	RSB04-100	1	B	66	67	67.9	71.2	3.3	Yes	No	Cheval West Village
SB04	RSB04-101	1	B	66	67	69.0	71.7	2.7	Yes	No	Cheval West Village
SB05	RSB05-001	4	B	66	67	56.3	61.5	5.2	No	No	Tarramor
SB05	RSB05-002	3	B	66	67	57.0	62.4	5.4	No	No	Tarramor
SB05	RSB05-003	2	B	66	67	57.3	62.6	5.3	No	No	Tarramor
SB05	RSB05-004	2	B	66	67	59.3	64.5	5.2	No	No	Tarramor
SB05	RSB05-006	3	B	66	67	62.7	68.3	5.6	Yes	No	Tarramor
SB05	RSB05-007	1	B	66	67	64.4	70.4	6.0	Yes	No	Tarramor
SB05	RSB05-008	1	B	66	67	66.1	72.4	6.3	Yes	No	Tarramor
SB05	RSB05-009	2	B	66	67	62.1	67.6	5.5	Yes	No	Tarramor
SB05	RSB05-010	1	B	66	67	59.8	64.7	4.9	No	No	Tarramor
SB05	RSB05-011	3	B	66	67	57.1	62.0	4.9	No	No	Tarramor
SB05	RSB05-012	4	B	66	67	55.9	60.6	4.7	No	No	Tarramor
SB05	RSB05-013	2	B	66	67	58.0	63.2	5.2	No	No	Tarramor
SB05	RSB05-014	4	B	66	67	57.4	62.0	4.6	No	No	Tarramor
SB05	RSB05-015	4	B	66	67	58.8	63.7	4.9	No	No	Tarramor
SB05	RSB05-016	1	B	66	67	60.0	65.2	5.2	No	No	Tarramor
SB05	RSB05-018	2	B	66	67	60.4	65.2	4.8	No	No	Tarramor
SB05	RSB05-019	1	B	66	67	61.3	66.0	4.7	No	No	Tarramor
SB05	RSB05-020	1	B	66	67	61.9	66.7	4.8	Yes	No	Tarramor
SB05	RSB05-021	1	B	66	67	68.9	75.1	6.2	Yes	No	Tarramor
SB05	RSB05-022	1	B	66	67	67.9	74.3	6.4	Yes	No	Tarramor
SB05	RSB05-023	3	B	66	67	67.9	74.5	6.6	Yes	No	Tarramor
SB05	RSB05-024	3	B	66	67	68.4	74.8	6.4	Yes	No	Tarramor
SB05	RSB05-025	1	B	66	67	67.0	73.5	6.5	Yes	No	Tarramor
SB05	RSB05-026	1	B	66	67	65.2	71.8	6.6	Yes	No	Tarramor
SB05	RSB05-027	1	B	66	67	63.3	69.5	6.2	Yes	No	Tarramor
SB05	RSB05-028	2	B	66	67	61.9	67.9	6.0	Yes	No	Tarramor
SB05	RSB05-029	1	B	66	67	60.0	64.8	4.8	No	No	Tarramor
SB05	RSB05-030	2	B	66	67	58.8	63.7	4.9	No	No	Tarramor
SB05	RSB05-031	2	B	66	67	56.3	61.5	5.2	No	No	Tarramor
SB05	RSB05-032	2	B	66	67	56.4	61.5	5.1	No	No	Tarramor
SB05	RSB05-033	3	B	66	67	54.8	60.1	5.3	No	No	Tarramor
SB05	RSB05-034	2	B	66	67	56.6	61.7	5.1	No	No	Tarramor
SB05	RSB05-035	2	B	66	67	60.8	66.9	6.1	Yes	No	Tarramor
SB05	RSB05-036	3	B	66	67	58.7	64.7	6.0	No	No	Tarramor
SB05	RSB05-037	3	B	66	67	54.8	60.5	5.7	No	No	Tarramor
SB05	RSB05-038	1	B	66	67	69.3	75.9	6.6	Yes	No	Ivy Lake Estates
SB05	RSB05-039	1	B	66	67	66.1	73.0	6.9	Yes	No	Ivy Lake Estates
SB05	RSB05-040	2	B	66	67	64.9	71.6	6.7	Yes	No	Ivy Lake Estates
SB05	RSB05-041	2	B	66	67	62.4	68.8	6.4	Yes	No	Ivy Lake Estates
SB05	RSB05-042	3	B	66	67	60.3	66.7	6.4	Yes	No	Ivy Lake Estates
SB05	RSB05-043	2	B	66	67	57.8	64.1	6.3	No	No	Ivy Lake Estates
SB05	RSB05-044	4	B	66	67	55.8	61.9	6.1	No	No	Ivy Lake Estates
SB05	RSB05-045	4	B	66	67	57.5	63.0	5.5	No	No	Ivy Lake Estates
SB05	RSB05-046	4	B	66	67	59.4	64.9	5.5	No	No	Ivy Lake Estates
SB05	RSB05-047	4	B	66	67	60.8	66.0	5.2	No	No	Ivy Lake Estates
SB05	RSB05-048	4	B	66	67	64.3	69.6	5.3	Yes	No	Ivy Lake Estates
SB05	RSB05-049	1	B	66	67	69.2	75.7	6.5	Yes	No	Ivy Lake Estates
SB05	RSB05-050	1	B	66	67	63.0	68.6	5.6	Yes	No	Ivy Lake Estates
SB05	RSB05-051	1	B	66	67	68.4	74.4	6.0	Yes	No	Ivy Lake Estates
SB05	RSB05-052	3	B	66	67	68.9	74.9	6.0	Yes	No	Ivy Lake Estates
SB05	RSB05-053	3	B	66	67	68.1	74.6	6.5	Yes	No	Ivy Lake Estates
SB05	RSB05-054	1	B	66	67	64.9	69.8	4.9	Yes	No	Ivy Lake Estates
SB05	RSB05-055	4	B	66	67	64.1	68.1	4.0	Yes	No	Ivy Lake Estates
SB05	RSB05-056	4	B	66	67	61.0	65.8	4.8	No	No	Ivy Lake Estates
SB05	RSB05-057	4	B	66	67	58.3	64.1	5.8	No	No	Ivy Lake Estates
SB05	RSB05-058	4	B	66	67	56.8	62.6	5.8	No	No	Ivy Lake Estates
SB05	RSB05-059	3	B	66	67	68.3	74.4	6.1	Yes	No	Ivy Lake Estates
SB05	RSB05-060	3	B	66	67	68.3	74.9	6.6	Yes	No	Ivy Lake Estates
SB05	RSB05-061	1	B	66	67	63.5	69.7	6.2	Yes	No	Ivy Lake Estates

Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
SB05	RSB05-062	4	B	66	67	64.1	68.4	4.3	Yes	No	Ivy Lake Estates
SB05	RSB05-063	4	B	66	67	58.1	63.3	5.2	No	No	Ivy Lake Estates
SB05	RSB05-064	4	B	66	67	59.0	65.0	6.0	No	No	Ivy Lake Estates
SB05	RSB05-065	3	B	66	67	60.4	65.9	5.5	No	No	Ivy Lake Estates
SB05	RSB05-066	1	B	66	67	68.1	75.3	7.2	Yes	No	Ivy Lake Estates
SB05	RSB05-067	1	B	66	67	68.5	74.5	6.0	Yes	No	Ivy Lake Estates
SB05	RSB05-068	1	B	66	67	67.6	73.7	6.1	Yes	No	Ivy Lake Estates
SB05	RSB05-069	1	B	66	67	63.5	68.9	5.4	Yes	No	Ivy Lake Estates
SB05	RSB05-070	2	B	66	67	63.0	67.5	4.5	Yes	No	Ivy Lake Estates
SB05	RSB05-071	2	B	66	67	61.4	66.1	4.7	Yes	No	Ivy Lake Estates
SB05	RSB05-072	3	B	66	67	59.7	64.5	4.8	No	No	Ivy Lake Estates
SB05	RSB05-073	3	B	66	67	58.7	64.4	5.7	No	No	Ivy Lake Estates
SB05	RSB05-074	2	B	66	67	60.0	65.5	5.5	No	No	Ivy Lake Estates
SB05	RSB05-075	2	B	66	67	56.2	61.0	4.8	No	No	Ivy Lake Estates
SB05	RSB05-076	2	B	66	67	61.4	67.9	6.5	Yes	No	Ivy Lake Estates
SB05	RSB05-077	1	B	66	67	62.8	69.1	6.3	Yes	No	Ivy Lake Estates
SB05	RSB05-078	2	B	66	67	59.2	63.7	4.5	No	No	Ivy Lake Estates
SB05	RSB05-079	1	B	66	67	64.2	69.9	5.7	Yes	No	Ivy Lake Estates
SB05	RSB05-080	1	B	66	67	64.6	69.6	5.0	Yes	No	Ivy Lake Estates
SB05	RSB05-081	1	B	66	67	64.4	69.1	4.7	Yes	No	Ivy Lake Estates
SB05	RSB05-082	2	B	66	67	63.6	69.8	6.2	Yes	No	Ivy Lake Estates
SB05	RSB05-083	2	B	66	67	56.4	60.9	4.5	No	No	Ivy Lake Estates
SB05	RSB05-084	4	B	66	67	61.0	68.5	7.5	Yes	No	Ivy Lake Estates
SB05	RSB05-085	2	B	66	67	54.8	59.4	4.6	No	No	Ivy Lake Estates
SB05	RSB05-086	2	B	66	67	53.5	58.7	5.2	No	No	Ivy Lake Estates
SB05	RSB05-088	4	B	66	67	58.3	65.3	7.0	No	No	Ivy Lake Estates
SB05	RSB05-090	4	B	66	67	54.2	62.0	7.8	No	No	Ivy Lake Estates
SB05	RSB05-091	1	B	66	67	56.0	62.9	6.9	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-092	1	B	66	67	59.2	66.3	7.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-093	1	B	66	67	61.3	67.4	6.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-094	1	B	66	67	60.5	67.4	6.9	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-095	1	B	66	67	63.5	70.1	6.6	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-096	1	B	66	67	65.5	71.0	5.5	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-097	2	B	66	67	63.1	69.8	6.7	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-098	2	B	66	67	65.9	72.1	6.2	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-099	2	B	66	67	67.9	72.9	5.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-103	5	B	66	67	63.7	69.7	6.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-104	5	B	66	67	66.2	72.0	5.8	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-105	5	B	66	67	68.0	72.9	4.9	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-109	1	B	66	67	60.9	66.7	5.8	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-110	1	B	66	67	64.3	69.9	5.6	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-111	1	B	66	67	66.0	70.9	4.9	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-114	1	B	66	67	62.5	66.2	3.7	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-118	14	B	66	67	36.2	39.8	3.6	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-119	14	B	66	67	40.6	43.7	3.1	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-120	14	B	66	67	42.9	46.3	3.4	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-130	5	B	66	67	58.0	63.4	5.4	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-131	5	B	66	67	61.2	66.6	5.4	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-132	5	B	66	67	62.7	67.7	5.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-133	2	B	66	67	60.1	65.8	5.7	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-134	2	B	66	67	63.2	68.9	5.7	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-135	2	B	66	67	64.9	69.8	4.9	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-136	1	B	66	67	59.3	65.4	6.1	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-137	1	B	66	67	62.5	68.5	6.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-138	1	B	66	67	64.3	69.4	5.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-139	1	B	66	67	56.2	62.4	6.2	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-140	1	B	66	67	59.3	65.5	6.2	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-141	1	B	66	67	61.2	66.7	5.5	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-142	6	B	66	67	56.9	63.1	6.2	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-143	6	B	66	67	60.1	66.2	6.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-144	6	B	66	67	61.9	67.3	5.4	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-151	1	B	66	67	63.4	68.7	5.3	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-152	1	B	66	67	66.4	71.7	5.3	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-153	1	B	66	67	68.0	72.5	4.5	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-154	1	B	66	67	63.1	68.6	5.5	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-155	1	B	66	67	66.1	71.5	5.4	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-156	1	B	66	67	67.8	72.2	4.4	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-157	1	B	66	67	62.4	68.0	5.6	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-158	1	B	66	67	65.5	70.8	5.3	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-159	1	B	66	67	67.2	71.5	4.3	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-160	1	B	66	67	66.3	71.3	5.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-161	1	B	66	67	68.9	73.8	4.9	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-162	1	B	66	67	70.8	74.6	3.8	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-163	2	B	66	67	63.9	68.4	4.5	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-164	2	B	66	67	66.5	71.1	4.6	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-165	2	B	66	67	68.2	71.9	3.7	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-169	2	B	66	67	44.4	46.8	2.4	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-170	2	B	66	67	41.9	45.2	3.3	No	No	Tusciano at Suncoast Crossings

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
SB05	RSB05-171	2	B	66	67	45.6	48.5	2.9	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-178	2	B	66	67	56.4	62.5	6.1	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-179	2	B	66	67	58.7	65.4	6.7	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-180	2	B	66	67	60.8	66.4	5.6	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-184	3	B	66	67	68.6	73.7	5.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-185	3	B	66	67	71.6	75.8	4.2	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-186	3	B	66	67	73.6	76.8	3.2	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-190	2	B	66	67	68.0	73.0	5.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-191	2	B	66	67	71.1	75.4	4.3	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-192	2	B	66	67	73.2	76.4	3.2	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-196	2	B	66	67	64.6	69.3	4.7	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-197	2	B	66	67	67.3	72.0	4.7	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-198	2	B	66	67	69.2	72.9	3.7	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-202	1	B	66	67	62.9	67.1	4.2	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-203	1	B	66	67	65.3	70.2	4.9	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-204	1	B	66	67	67.1	71.0	3.9	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-211	7	B	66	67	41.4	45.4	4.0	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-212	7	B	66	67	43.5	47.6	4.1	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-213	7	B	66	67	45.9	49.5	3.6	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-214	1	B	66	67	61.2	67.1	5.9	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-215	1	B	66	67	64.6	69.7	5.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-216	1	B	66	67	66.4	70.6	4.2	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-217	1	B	66	67	59.6	64.0	4.4	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-218	1	B	66	67	61.8	66.9	5.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-219	1	B	66	67	63.6	67.8	4.2	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-220	3	B	66	67	50.1	54.9	4.8	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-221	3	B	66	67	52.9	58.3	5.4	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-222	3	B	66	67	55.1	59.5	4.4	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-226	2	B	66	67	49.8	55.2	5.4	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-227	2	B	66	67	51.8	57.6	5.8	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-228	2	B	66	67	53.9	59.0	5.1	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-229	2	B	66	67	53.9	58.6	4.7	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-230	2	B	66	67	56.3	61.6	5.3	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-231	2	B	66	67	58.1	62.6	4.5	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-232	30	B	66	67	55.9	60.4	4.5	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-233	30	B	66	67	57.3	62.9	5.6	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-234	1	B	66	67	69.8	75.9	6.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-235	1	B	66	67	74.1	77.7	3.6	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-236	1	B	66	67	75.6	78.4	2.8	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-237	2	B	66	67	64.1	70.6	6.5	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-238	2	B	66	67	68.5	72.6	4.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-239	2	B	66	67	70.6	73.6	3.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-243	1	B	66	67	64.7	70.8	6.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-244	1	B	66	67	68.5	73.2	4.7	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-245	1	B	66	67	70.6	74.2	3.6	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-246	1	B	66	67	60.1	64.6	4.5	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-247	1	B	66	67	62.6	67.3	4.7	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-248	1	B	66	67	65.0	68.6	3.6	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-249	1	B	66	67	60.1	65.0	4.9	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-250	1	B	66	67	62.8	67.6	4.8	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-251	1	B	66	67	64.9	68.6	3.7	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-252	1	B	66	67	55.7	61.3	5.6	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-253	1	B	66	67	59.0	63.7	4.7	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-254	1	B	66	67	62.3	64.9	2.6	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-255	1	B	66	67	66.8	72.4	5.6	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-256	1	B	66	67	70.2	74.4	4.2	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-257	1	B	66	67	72.3	75.3	3.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-258	1	B	66	67	62.1	68.7	6.6	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-259	1	B	66	67	65.9	71.1	5.2	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-260	1	B	66	67	67.9	71.9	4.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-261	1	B	66	67	57.5	64.0	6.5	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-262	1	B	66	67	61.3	66.4	5.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-263	1	B	66	67	63.4	67.4	4.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-264	1	B	66	67	60.5	66.4	5.9	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-265	1	B	66	67	64.1	69.5	5.4	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-266	1	B	66	67	65.9	70.3	4.4	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-267	1	B	66	67	60.4	66.1	5.7	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-268	1	B	66	67	63.8	69.3	5.5	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-269	1	B	66	67	65.6	70.2	4.6	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-273	3	B	66	67	48.3	46.5	1.8	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-274	3	B	66	67	46.6	48.6	2.0	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-275	3	B	66	67	51.7	51.7	0.0	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-276	1	B	66	67	59.0	63.7	4.7	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-277	1	B	66	67	61.6	66.6	5.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-278	1	B	66	67	63.4	67.5	4.1	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-279	1	B	66	67	58.4	64.1	5.7	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-280	1	B	66	67	61.7	67.2	5.5	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-281	1	B	66	67	63.4	68.1	4.7	Yes	No	Tusciano at Suncoast Crossings

Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
SB05	RSB05-282	1	B	66	67	58.3	63.6	5.3	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-283	1	B	66	67	61.6	67.1	5.5	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-284	1	B	66	67	63.3	68.2	4.9	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-285	1	B	66	67	58.0	63.2	5.2	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-286	1	B	66	67	61.4	66.8	5.4	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-287	1	B	66	67	63.1	68.0	4.9	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-288	1	B	66	67	57.9	62.9	5.0	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-289	1	B	66	67	61.3	66.6	5.3	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-290	1	B	66	67	62.8	67.8	5.0	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-291	3	B	66	67	57.9	63.2	5.3	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-292	3	B	66	67	61.1	66.3	5.2	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-293	3	B	66	67	62.6	67.4	4.8	Yes	No	Tusciano at Suncoast Crossings
SB05	RSB05-294	1	B	66	67	57.6	62.9	5.3	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-295	1	B	66	67	60.8	65.8	5.0	No	No	Tusciano at Suncoast Crossings
SB05	RSB05-296	1	B	66	67	62.3	66.9	4.6	Yes	No	Tusciano at Suncoast Crossings
SB07	RSB07-001	1	B	66	67	67.0	72.3	5.3	Yes	No	South Branch Preserve
SB07	RSB07-002	1	B	66	67	67.2	72.5	5.3	Yes	No	South Branch Preserve
SB07	RSB07-003	2	B	66	67	67.2	72.8	5.6	Yes	No	South Branch Preserve
SB07	RSB07-004	4	B	66	67	67.9	73.5	5.6	Yes	No	South Branch Preserve
SB07	RSB07-005	1	B	66	67	67.5	74.0	6.5	Yes	No	South Branch Preserve
SB07	RSB07-006	2	B	66	67	59.8	63.9	4.1	No	No	South Branch Preserve
SB07	RSB07-007	3	B	66	67	58.1	61.7	3.6	No	No	South Branch Preserve
SB07	RSB07-008	4	B	66	67	58.2	61.9	3.7	No	No	South Branch Preserve
SB07	RSB07-009	4	B	66	67	58.4	63.0	4.6	No	No	South Branch Preserve
SB07	RSB07-010	4	B	66	67	58.0	62.3	4.3	No	No	South Branch Preserve
SB07	RSB07-011	5	B	66	67	58.0	62.6	4.6	No	No	South Branch Preserve
SB07	RSB07-012	2	B	66	67	66.8	73.3	6.5	Yes	No	South Branch Preserve
SB07	RSB07-013	2	B	66	67	67.8	73.1	5.3	Yes	No	South Branch Preserve
SB07	RSB07-014	2	B	66	67	66.9	72.5	5.6	Yes	No	South Branch Preserve
SB07	RSB07-015	2	B	66	67	65.3	71.5	6.2	Yes	No	South Branch Preserve
SB07	RSB07-016	2	B	66	67	63.9	70.2	6.3	Yes	No	South Branch Preserve
SB07	RSB07-017	2	B	66	67	62.7	69.0	6.3	Yes	No	South Branch Preserve
SB07	RSB07-018	2	B	66	67	61.4	67.6	6.2	Yes	No	South Branch Preserve
SB07	RSB07-019	4	B	66	67	60.3	64.1	3.8	No	No	South Branch Preserve
SB07	RSB07-020	3	B	66	67	57.9	62.2	4.3	No	No	South Branch Preserve
SB07	RSB07-021	4	B	66	67	57.0	61.5	4.5	No	No	South Branch Preserve
SB07	RSB07-022	3	B	66	67	56.6	61.3	4.7	No	No	South Branch Preserve
SB07	RSB07-023	6	B	66	67	56.2	60.9	4.7	No	No	South Branch Preserve
SB07	RSB07-024	5	B	66	67	57.8	62.6	4.8	No	No	South Branch Preserve
SB07	RSB07-025	5	B	66	67	57.6	62.1	4.5	No	No	South Branch Preserve
SB07	RSB07-026	3	B	66	67	60.2	65.8	5.6	No	No	South Branch Preserve
SB07	RSB07-027	3	B	66	67	58.4	63.8	5.4	No	No	South Branch Preserve
SB07	RSB07-028	3	B	66	67	57.0	62.2	5.2	No	No	South Branch Preserve
SB07	RSB07-029	4	B	66	67	56.9	60.9	4.0	No	No	South Branch Preserve
SB07	RSB07-030	1	B	66	67	54.7	59.9	5.2	No	No	South Branch Preserve
SB07	RSB07-031	8	B	66	67	56.8	61.3	4.5	No	No	South Branch Preserve
SB07	RSB07-032	8	B	66	67	55.6	59.7	4.1	No	No	South Branch Preserve
SB07	RSB07-033	9	B	66	67	55.9	60.1	4.2	No	No	South Branch Preserve
SB07	RSB07-034	8	B	66	67	56.9	61.2	4.3	No	No	South Branch Preserve
SB07	RSB07-035	7	B	66	67	56.0	60.2	4.2	No	No	South Branch Preserve
SB07	RSB07-036	3	B	66	67	54.9	59.4	4.5	No	No	South Branch Preserve
SB07	RSB07-037	4	B	66	67	53.2	57.8	4.6	No	No	South Branch Preserve
SB07	RSB07-038	8	B	66	67	53.0	57.9	4.9	No	No	South Branch Preserve
SB07	RSB07-039	8	B	66	67	53.5	58.0	4.5	No	No	South Branch Preserve
SB07	RSB07-040	6	B	66	67	53.6	58.2	4.6	No	No	South Branch Preserve
SB07	RSB07-041	6	B	66	67	53.3	58.5	5.2	No	No	South Branch Preserve
SB07	RSB07-042	8	B	66	67	54.8	59.1	4.3	No	No	South Branch Preserve
SB07	RSB07-043	8	B	66	67	53.3	57.6	4.3	No	No	South Branch Preserve
SB07	RSB07-044	6	B	66	67	57.6	61.6	4.0	No	No	South Branch Preserve
SB07	RSB07-045	8	B	66	67	58.2	62.0	3.8	No	No	South Branch Preserve
SB07	RSB07-046	4	B	66	67	57.6	63.3	5.7	No	No	South Branch Preserve
SB07	RSB07-047	4	B	66	67	58.6	64.8	6.2	No	No	South Branch Preserve
SB07	RSB07-048	4	B	66	67	59.3	66.0	6.7	No	No	South Branch Preserve
SB07	RSB07-049	2	B	66	67	59.8	66.5	6.7	Yes	No	South Branch Preserve
SB07	RSB07-050	2	B	66	67	59.9	66.5	6.6	Yes	No	South Branch Preserve
SB07	RSB07-051	1	B	66	67	68.5	72.0	3.5	Yes	No	South Branch Preserve
SB07	RSB07-052	1	B	66	67	68.2	76.1	7.9	Yes	No	South Branch Preserve
SB07	RSB07-053	2	B	66	67	68.2	76.2	8.0	Yes	No	South Branch Preserve
SB07	RSB07-054	4	B	66	67	68.3	76.2	7.9	Yes	No	South Branch Preserve
SB07	RSB07-055	4	B	66	67	68.5	66.9	1.6	Yes	No	South Branch Preserve
SB07	RSB07-056	4	B	66	67	68.4	68.1	0.3	Yes	No	South Branch Preserve
SB07	RSB07-057	4	B	66	67	68.5	67.8	0.7	Yes	No	South Branch Preserve
SB07	RSB07-058	4	B	66	67	68.3	69.0	0.7	Yes	No	South Branch Preserve
SB07	RSB07-059	4	B	66	67	68.5	67.8	0.7	Yes	No	South Branch Preserve
SB07	RSB07-060	4	B	66	67	68.2	68.1	0.1	Yes	No	South Branch Preserve
SB07	RSB07-061	4	B	66	67	67.5	69.3	1.8	Yes	No	South Branch Preserve
SB07	RSB07-062	8	B	66	67	51.1	55.8	4.7	No	No	South Branch Preserve
SB07	RSB07-063	8	B	66	67	39.6	44.8	5.2	No	No	South Branch Preserve

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
SB07	RSB07-064	8	B	66	67	47.4	52.6	5.2	No	No	South Branch Preserve
SB07	RSB07-065	8	B	66	67	39.9	45.0	5.1	No	No	South Branch Preserve
SB07	RSB07-066	8	B	66	67	47.6	53.5	5.9	No	No	South Branch Preserve
SB07	RSB07-067	3	B	66	67	55.3	60.3	5.0	No	No	South Branch Preserve
SB07	RSB07-068	3	B	66	67	44.6	48.8	4.2	No	No	South Branch Preserve
SB07	RSB07-069	16	B	66	67	48.3	53.2	4.9	No	No	South Branch Preserve
SB07	RSB07-070	16	B	66	67	48.4	53.1	4.7	No	No	South Branch Preserve
SB07	RSB07-071	16	B	66	67	48.5	53.4	4.9	No	No	South Branch Preserve
SB07	RSB07-072	8	B	66	67	52.5	56.6	4.1	No	No	South Branch Preserve
SB07	RSB07-073	8	B	66	67	50.2	54.8	4.6	No	No	South Branch Preserve
SB07	RSB07-074	8	B	66	67	51.3	56.6	5.3	No	No	South Branch Preserve
SB07	RSB07-075	7	B	66	67	54.2	59.3	5.1	No	No	South Branch Preserve
SB07	RSB07-076	4	B	66	67	55.5	62.1	6.6	No	No	South Branch Preserve
SB07	RSB07-077	4	B	66	67	55.5	62.3	6.8	No	No	South Branch Preserve
SB07	RSB07-078	4	B	66	67	57.3	63.6	6.3	No	No	South Branch Preserve
SB07	RSB07-079	2	B	66	67	56.5	62.9	6.4	No	No	South Branch Preserve
SB07	RSB07-080	2	B	66	67	58.3	63.8	5.5	No	No	South Branch Preserve
SB07	RSB07-081	5	B	66	67	65.8	70.3	4.5	Yes	No	South Branch Preserve
SB07	RSB07-082	5	B	66	67	67.0	69.4	2.4	Yes	No	South Branch Preserve
SB07	RSB07-083	5	B	66	67	67.4	69.5	2.1	Yes	No	South Branch Preserve
SB07	RSB07-084	5	B	66	67	56.2	61.7	5.5	No	No	South Branch Preserve
SB07	RSB07-085	4	B	66	67	55.6	60.4	4.8	No	No	South Branch Preserve
SB07	RSB07-086	5	B	66	67	57.5	63.0	5.5	No	No	South Branch Preserve
SB07	RSB07-087	4	B	66	67	57.3	63.3	6.0	No	No	South Branch Preserve
SB07	RSB07-088	7	B	66	67	56.1	61.2	5.1	No	No	South Branch Preserve
SB07	RSB07-089	4	B	66	67	54.9	60.3	5.4	No	No	South Branch Preserve
SB07	RSB07-090	4	B	66	67	54.1	59.4	5.3	No	No	South Branch Preserve
SB07	RSB07-091	6	B	66	67	53.9	58.8	4.9	No	No	South Branch Preserve
SB07	RSB07-092	5	B	66	67	66.9	69.3	2.4	Yes	No	South Branch Preserve
SB07	RSB07-093	4	B	66	67	66.9	69.4	2.5	Yes	No	South Branch Preserve
SB07	RSB07-094	2	B	66	67	66.9	69.9	3.0	Yes	No	South Branch Preserve
SB07	RSB07-095	1	B	66	67	67.0	70.7	3.7	Yes	No	South Branch Preserve
SB07	RSB07-096	4	B	66	67	60.0	65.3	5.3	No	No	South Branch Preserve
SB07	RSB07-097	4	B	66	67	58.4	64.0	5.6	No	No	South Branch Preserve
SB07	RSB07-098	4	B	66	67	56.8	63.2	6.4	No	No	South Branch Preserve
SB07	RSB07-099	4	B	66	67	55.8	62.4	6.6	No	No	South Branch Preserve
SB07	RSB07-100	5	B	66	67	55.0	61.3	6.3	No	No	South Branch Preserve
SB07	RSB07-101	6	B	66	67	53.7	59.8	6.1	No	No	South Branch Preserve
SB07	RSB07-102	7	B	66	67	54.8	60.4	5.6	No	No	South Branch Preserve
SB07	RSB07-103	4	B	66	67	54.5	60.1	5.6	No	No	South Branch Preserve
SB07	RSB07-104	8	B	66	67	54.4	60.0	5.6	No	No	South Branch Preserve
SB07	RSB07-105	4	B	66	67	53.5	58.9	5.4	No	No	South Branch Preserve
SB07	RSB07-106	4	B	66	67	54.7	59.7	5.0	No	No	South Branch Preserve
SB07	RSB07-107	4	B	66	67	55.9	60.7	4.8	No	No	South Branch Preserve
SB07	RSB07-108	1	B	66	67	55.9	60.9	5.0	No	No	South Branch Preserve
SB07	RSB07-109	3	B	66	67	56.0	61.3	5.3	No	No	South Branch Preserve
SB07	RSB07-110	3	B	66	67	55.9	61.6	5.7	No	No	South Branch Preserve
SB07	RSB07-111	3	B	66	67	56.3	62.5	6.2	No	No	South Branch Preserve
SB07	RSB07-112	3	B	66	67	55.9	62.2	6.3	No	No	South Branch Preserve
SB07	RSB07-113	2	B	66	67	57.9	63.6	5.7	No	No	South Branch Preserve
SB07	RSB07-114	4	B	66	67	58.4	64.2	5.8	No	No	South Branch Preserve
SB07	RSB07-115	1	B	66	67	66.5	70.7	4.2	Yes	No	South Branch Preserve
SB07	RSB07-116	5	B	66	67	67.1	68.8	1.7	Yes	No	South Branch Preserve
SB07	RSB07-117	4	B	66	67	58.7	64.8	6.1	No	No	South Branch Preserve
SB07	RSB07-118	4	B	66	67	56.0	60.8	4.8	No	No	South Branch Preserve
SB07	RSB07-119	5	B	66	67	67.4	68.1	0.7	Yes	No	South Branch Preserve
SB07	RSB07-120	2	B	66	67	57.0	62.2	5.2	No	No	South Branch Preserve
SB07	RSB07-121	3	B	66	67	55.5	61.6	6.1	No	No	South Branch Preserve
SB07	RSB07-122	2	B	66	67	55.6	61.8	6.2	No	No	South Branch Preserve
SB07	RSB07-123	4	B	66	67	56.6	62.0	5.4	No	No	South Branch Preserve
SB07	RSB07-124	4	B	66	67	56.5	61.8	5.3	No	No	South Branch Preserve
SB07	RSB07-125	2	B	66	67	56.6	62.1	5.5	No	No	South Branch Preserve
SB07	RSB07-126	2	B	66	67	56.9	63.5	6.6	No	No	South Branch Preserve
SB07	RSB07-127	3	B	66	67	58.4	64.8	6.4	No	No	South Branch Preserve
SB07	RSB07-128	2	B	66	67	60.0	65.9	5.9	No	No	South Branch Preserve
SB07	RSB07-129	5	B	66	67	67.0	70.1	3.1	Yes	No	South Branch Preserve
SB07	RSB07-130	4	B	66	67	57.7	64.0	6.3	No	No	South Branch Preserve
SB07	RSB07-131	5	B	66	67	67.0	67.9	0.9	Yes	No	South Branch Preserve
SB07	RSB07-132	3	B	66	67	56.0	61.5	5.5	No	No	South Branch Preserve
SB07	RSB07-133	4	B	66	67	57.5	62.8	5.3	No	No	South Branch Preserve
SB07	RSB07-134	4	B	66	67	57.4	63.0	5.6	No	No	South Branch Preserve
SB07	RSB07-135	4	B	66	67	57.0	63.7	6.7	No	No	South Branch Preserve
SB07	RSB07-136	2	B	66	67	57.9	64.3	6.4	No	No	South Branch Preserve
SB07	RSB07-137	2	B	66	67	59.8	64.8	5.0	No	No	South Branch Preserve
SB07	RSB07-138	2	B	66	67	60.3	65.6	5.3	No	No	South Branch Preserve
SB07	RSB07-139	1	B	66	67	61.5	65.8	4.3	No	No	South Branch Preserve
SB07	RSB07-140	3	B	66	67	67.0	68.6	1.6	Yes	No	South Branch Preserve
SB07	RSB07-141	1	B	66	67	66.5	70.3	3.8	Yes	No	South Branch Preserve

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
SB07	RSB07-142	1	B	66	67	66.6	70.9	4.3	Yes	No	South Branch Preserve
SB09	RSB09-001	1	B	66	67	68.2	73.2	5.0	Yes	No	Suncoast Lakes
SB09	RSB09-002	1	B	66	67	67.4	71.3	3.9	Yes	No	Suncoast Lakes
SB09	RSB09-003	1	B	66	67	66.5	70.0	3.5	Yes	No	Suncoast Lakes
SB09	RSB09-004	2	B	66	67	65.4	68.6	3.2	Yes	No	Suncoast Lakes
SB09	RSB09-005	3	B	66	67	63.5	66.7	3.2	Yes	No	Suncoast Lakes
SB09	RSB09-006	3	B	66	67	62.6	64.9	2.3	No	No	Suncoast Lakes
SB09	RSB09-007	3	B	66	67	61.5	64.9	3.4	No	No	Suncoast Lakes
SB09	RSB09-008	4	B	66	67	60.1	62.7	2.6	No	No	Suncoast Lakes
SB09	RSB09-009	4	B	66	67	58.7	61.9	3.2	No	No	Suncoast Lakes
SB09	RSB09-010	6	B	66	67	57.4	60.7	3.3	No	No	Suncoast Lakes
SB09	RSB09-011	4	B	66	67	56.1	59.2	3.1	No	No	Suncoast Lakes
SB09	RSB09-012	3	B	66	67	56.9	60.2	3.3	No	No	Suncoast Lakes
SB09	RSB09-013	4	B	66	67	54.7	57.9	3.2	No	No	Suncoast Lakes
SB09	RSB09-014	4	B	66	67	56.0	59.4	3.4	No	No	Suncoast Lakes
SB09	RSB09-015	4	B	66	67	53.5	56.5	3.0	No	No	Suncoast Lakes
SB09	RSB09-016	5	B	66	67	54.2	57.3	3.1	No	No	Suncoast Lakes
SB09	RSB09-017	5	B	66	67	54.4	57.9	3.5	No	No	Suncoast Lakes
SB09	RSB09-018	4	B	66	67	54.6	58.2	3.6	No	No	Suncoast Lakes
SB09	RSB09-019	4	B	66	67	56.7	60.6	3.9	No	No	Suncoast Lakes
SB09	RSB09-020	3	B	66	67	57.9	61.6	3.7	No	No	Suncoast Lakes
SB09	RSB09-021	3	B	66	67	59.6	63.1	3.5	No	No	Suncoast Lakes
SB09	RSB09-022	2	B	66	67	61.2	65.7	4.5	No	No	Suncoast Lakes
SB09	RSB09-023	2	B	66	67	62.0	65.8	3.8	No	No	Suncoast Lakes
SB09	RSB09-024	1	B	66	67	63.9	67.8	3.9	Yes	No	Suncoast Lakes
SB09	RSB09-025	1	B	66	67	66.1	70.5	4.4	Yes	No	Suncoast Lakes
SB09	RSB09-026	1	B	66	67	68.0	72.4	4.4	Yes	No	Suncoast Lakes
SB09	RSB09-027	4	B	66	67	57.2	61.5	4.3	No	No	Suncoast Lakes
SB09	RSB09-028	4	B	66	67	57.9	61.8	3.9	No	No	Suncoast Lakes
SB09	RSB09-029	4	B	66	67	56.3	60.1	3.8	No	No	Suncoast Lakes
SB09	RSB09-030	3	B	66	67	56.9	62.4	5.5	No	No	Suncoast Lakes
SB09	RSB09-031	4	B	66	67	55.4	61.0	5.6	No	No	Suncoast Lakes
SB09	RSB09-032	4	B	66	67	55.1	58.7	3.6	No	No	Suncoast Lakes
SB09	RSB09-033	4	B	66	67	54.5	57.9	3.4	No	No	Suncoast Lakes
SB09	RSB09-034	2	B	66	67	54.6	59.8	5.2	No	No	Suncoast Lakes
SB09	RSB09-035	2	B	66	67	53.9	56.9	3.0	No	No	Suncoast Lakes
SB09	RSB09-036	3	B	66	67	55.4	61.2	5.8	No	No	Suncoast Lakes
SB09	RSB09-037	3	B	66	67	57.4	62.9	5.5	No	No	Suncoast Lakes
SB09	RSB09-038	6	B	66	67	57.4	62.3	4.9	No	No	Suncoast Lakes
SB09	RSB09-039	4	B	66	67	56.4	60.5	4.1	No	No	Suncoast Lakes
SB09	RSB09-040	3	B	66	67	56.2	61.7	5.5	No	No	Suncoast Lakes
SB09	RSB09-041	2	B	66	67	54.8	59.6	4.8	No	No	Suncoast Lakes
SB09	RSB09-042	4	B	66	67	54.5	57.7	3.2	No	No	Suncoast Lakes
SB09	RSB09-043	3	B	66	67	52.8	56.6	3.8	No	No	Suncoast Lakes
SB09	RSB09-044	5	B	66	67	54.2	57.4	3.2	No	No	Suncoast Lakes
SB09	RSB09-045	3	B	66	67	55.5	59.5	4.0	No	No	Suncoast Lakes
SB10	RSB10-001	8	B	66	67	56.5	59.8	3.3	No	No	Lone Star Townhomes
SB10	RSB10-002	8	B	66	67	57.9	61.1	3.2	No	No	Lone Star Townhomes
SB10	RSB10-003	4	B	66	67	58.2	61.2	3.0	No	No	Lone Star Townhomes
SB10	RSB10-004	4	B	66	67	58.3	61.3	3.0	No	No	Lone Star Townhomes
SB10	RSB10-005	4	B	66	67	58.8	61.7	2.9	No	No	Lone Star Townhomes
SB10	RSB10-006	4	B	66	67	59.3	62.0	2.7	No	No	Lone Star Townhomes
SB10	RSB10-007	4	B	66	67	60.2	62.6	2.4	No	No	Lone Star Townhomes
SB10	RSB10-008	4	B	66	67	61.2	63.3	2.1	No	No	Lone Star Townhomes
SB10	RSB10-009	3	B	66	67	62.9	64.3	1.4	No	No	Lone Star Townhomes
SB10	RSB10-010	3	B	66	67	62.8	64.3	1.5	No	No	Lone Star Townhomes
SB10	RSB10-011	4	B	66	67	63.4	64.7	1.3	No	No	Lone Star Townhomes
SB10	RSB10-012	4	B	66	67	63.9	65.2	1.3	No	No	Lone Star Townhomes
SB10	RSB10-013	2	B	66	67	64.6	65.6	1.0	No	No	Lone Star Townhomes
SB10	RSB10-014	2	B	66	67	65.2	66.0	0.8	No	No	Lone Star Townhomes
SB10	RSB10-015	2	B	66	67	65.5	66.2	0.7	Yes	No	Lone Star Townhomes
SB10	RSB10-016	1	B	66	67	66.8	67.9	1.1	Yes	No	Lone Star Townhomes
SB10	RSB10-017	4	B	66	67	67.0	68.2	1.2	Yes	No	Lone Star Townhomes
SB10	RSB10-018	2	B	66	67	67.1	68.5	1.4	Yes	No	Lone Star Townhomes
SB10	RSB10-019	1	B	66	67	67.2	68.6	1.4	Yes	No	Lone Star Townhomes
SB10	RSB10-020	3	B	66	67	44.2	47.3	3.1	No	No	Lone Star Townhomes
SB10	RSB10-021	3	B	66	67	44.7	47.7	3.0	No	No	Lone Star Townhomes
SB10	RSB10-022	3	B	66	67	44.8	48.0	3.2	No	No	Lone Star Townhomes
SB10	RSB10-023	3	B	66	67	46.0	49.1	3.1	No	No	Lone Star Townhomes
SB10	RSB10-024	3	B	66	67	45.8	49.7	3.9	No	No	Lone Star Townhomes
SB10	RSB10-025	3	B	66	67	56.9	59.2	2.3	No	No	Lone Star Townhomes
SB10	RSB10-026	4	B	66	67	56.6	58.7	2.1	No	No	Lone Star Townhomes
SB10	RSB10-027	4	B	66	67	55.6	57.6	2.0	No	No	Lone Star Townhomes
SB10	RSB10-028	6	B	66	67	54.9	57.1	2.2	No	No	Lone Star Townhomes
SB10	RSB10-029	6	B	66	67	56.3	59.0	2.7	No	No	Lone Star Townhomes
SB10	RSB10-030	8	B	66	67	56.0	58.9	2.9	No	No	Lone Star Townhomes
SB10	RSB10-031	8	B	66	67	54.9	57.6	2.7	No	No	Lone Star Townhomes
SB10	RSB10-032	1	B	66	67	65.7	67.2	1.5	Yes	No	Lone Star Townhomes

Predicted Noise Levels

Appendix B-1

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X Impacted Receptor											
SB10	RSB10-033	1	B	66	67	65.1	66.4	1.3	Yes	No	Lone Star Townhomes
SB10	RSB10-034	2	B	66	67	64.4	65.9	1.5	No	No	Lone Star Townhomes
SB10	RSB10-035	2	B	66	67	63.5	65.1	1.6	No	No	Lone Star Townhomes
SB10	RSB10-036	2	B	66	67	62.8	64.7	1.9	No	No	Lone Star Townhomes
SB10	RSB10-037	3	B	66	67	61.9	63.8	1.9	No	No	Lone Star Townhomes
SB10	RSB10-038	3	B	66	67	61.6	63.1	1.5	No	No	Lone Star Townhomes
SB10	RSB10-039	3	B	66	67	60.7	61.8	1.1	No	No	Lone Star Townhomes
SB10	RSB10-040	3	B	66	67	60.9	61.5	0.6	No	No	Lone Star Townhomes
SB10	RSB10-041	4	B	66	67	53.4	54.5	1.1	No	No	Lone Star Townhomes
SB10	RSB10-042	4	B	66	67	51.2	52.9	1.7	No	No	Lone Star Townhomes
SB10	RSB10-043	4	B	66	67	48.4	51.1	2.7	No	No	Lone Star Townhomes
SB10	RSB10-044	4	B	66	67	48.6	51.5	2.9	No	No	Lone Star Townhomes
SB10	RSB10-045	4	B	66	67	54.1	56.1	2.0	No	No	Lone Star Ranch
SB10	RSB10-046	4	B	66	67	52.8	54.9	2.1	No	No	Lone Star Ranch
SB10	RSB10-047	4	B	66	67	52.3	53.6	1.3	No	No	Lone Star Ranch
SB10	RSB10-048	2	B	66	67	58.6	59.6	1.0	No	No	Lone Star Ranch
SB10	RSB10-049	2	B	66	67	60.2	61.2	1.0	No	No	Lone Star Ranch
SB10	RSB10-050	3	B	66	67	60.5	61.5	1.0	No	No	Lone Star Ranch
SB10	RSB10-051	2	B	66	67	60.2	61.2	1.0	No	No	Lone Star Ranch
SB10	RSB10-052	6	B	66	67	57.5	58.3	0.8	No	No	Lone Star Ranch
SB10	RSB10-053	4	B	66	67	57.0	58.0	1.0	No	No	Lone Star Ranch
SB10	RSB10-054	4	B	66	67	54.3	56.0	1.7	No	No	Lone Star Ranch
SB10	RSB10-055	4	B	66	67	53.9	55.7	1.8	No	No	Lone Star Ranch
SB10	RSB10-056	5	B	66	67	56.4	57.4	1.0	No	No	Lone Star Ranch
SB10	RSB10-057	5	B	66	67	56.9	57.4	0.5	No	No	Lone Star Ranch
SB10	RSB10-058	4	B	66	67	58.5	59.3	0.8	No	No	Lone Star Ranch
SB10	RSB10-059	1	B	66	67	66.9	69.8	2.9	Yes	No	Lone Star Ranch
SB10	RSB10-060	1	B	66	67	64.2	66.0	1.8	No	No	Lone Star Ranch
SB10	RSB10-061	1	B	66	67	62.4	63.9	1.5	No	No	Lone Star Ranch
SB10	RSB10-062	2	B	66	67	60.9	62.8	1.9	No	No	Lone Star Ranch
SB10	RSB10-063	1	B	66	67	66.5	69.9	3.4	Yes	No	Lone Star Ranch
SB10	RSB10-064	1	B	66	67	64.8	67.8	3.0	Yes	No	Lone Star Ranch
SB10	RSB10-065	1	B	66	67	62.8	65.4	2.6	No	No	Lone Star Ranch
SB10	RSB10-066	1	B	66	67	61.5	62.8	1.3	No	No	Lone Star Ranch
SB10	RSB10-067	2	B	66	67	60.0	61.2	1.2	No	No	Lone Star Ranch
SB10	RSB10-068	2	B	66	67	58.7	59.5	0.8	No	No	Lone Star Ranch

Appendix B-2 – Special Land Use Sites

Predicted Noise Levels

Predicted Noise Levels

Appendix B-2

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
NB02	NNB02-001	0.59	C	66	67	57.9	61.7	3.8	No	No	Magnolia Manor Assisted Living Outdoor Seating
NB03	NNB03-044	0.29	C	66	67	53.1	59.9	6.8	No	No	Lake Carlton Arms Tennis Courts
NB03	NNB03-045	0.29	C	66	67	53.3	60.3	7.0	No	No	Lake Carlton Arms Tennis Courts
NB03	NNB03-046	0.29	C	66	67	54.8	61.6	6.8	No	No	Lake Carlton Arms Tennis Courts
NB03	NNB03-047	0.29	C	66	67	54.7	61.7	7.0	No	No	Lake Carlton Arms Tennis Courts
NB03	NNB03-055	1.46	C	66	67	53.3	60.3	7.0	No	No	Lake Carlton Arms Basketball Courts
NB03	NNB03-068	1.46	C	66	67	52.7	59.7	7.0	No	No	Lake Carlton Arms Basketball Courts
NB03	NNB03-214	1.75	C	66	67	56.8	64.7	7.9	No	No	Lake Carlton Arms Outdoor Pool
NB04	NNB04-001	0.92	C	66	67	55.5	62.5	7.0	No	No	Cheval West Golf Course
NB04	NNB04-002	0.92	C	66	67	58.5	66.7	8.2	Yes	No	Cheval West Golf Course
NB04	NNB04-003	0.92	C	66	67	62.0	69.2	7.2	Yes	No	Cheval West Golf Course
NB04	NNB04-004	0.92	C	66	67	63.2	70.5	7.3	Yes	No	Cheval West Golf Course
NB04	NNB04-005	0.92	C	66	67	65.7	72.0	6.3	Yes	No	Cheval West Golf Course
NB04	NNB04-006	0.92	C	66	67	58.3	65.3	7.0	No	No	Cheval West Golf Course
NB04	NNB04-007	0.92	C	66	67	54.5	60.8	6.3	No	No	Cheval West Golf Course
NB04	NNB04-008	0.92	C	66	67	63.9	69.9	6.0	Yes	No	Cheval West Golf Course
NB04	NNB04-009	0.92	C	66	67	59.8	66.8	7.0	Yes	No	Cheval West Golf Course
NB04	NNB04-010	0.92	C	66	67	63.1	69.2	6.1	Yes	No	Cheval West Golf Course
NB04	NNB04-011	0.92	C	66	67	58.1	65.2	7.1	No	No	Cheval West Golf Course
NB04	NNB04-012	0.92	C	66	67	56.1	62.6	6.5	No	No	Cheval West Golf Course
NB05	NNB05-001	0.15	C	66	67	56.2	58.7	2.5	No	No	Steinbrenner High School
NB05	NNB05-002	0.15	C	66	67	55.3	58.1	2.8	No	No	Steinbrenner High School
NB05	NNB05-003	0.15	C	66	67	55.7	58.3	2.6	No	No	Steinbrenner High School
NB05	NNB05-004	0.15	C	66	67	56.3	59.0	2.7	No	No	Steinbrenner High School
NB05	NNB05-005	0.15	C	66	67	55.5	58.4	2.9	No	No	Steinbrenner High School
NB05	NNB05-006	0.15	C	66	67	56.1	59.2	3.1	No	No	Steinbrenner High School
NB05	NNB05-007	0.15	C	66	67	56.7	59.9	3.2	No	No	Steinbrenner High School
NB05	NNB05-008	0.15	C	66	67	56.0	59.3	3.3	No	No	Steinbrenner High School
NB05	NNB05-009	0.15	C	66	67	56.5	59.7	3.2	No	No	Steinbrenner High School
NB05	NNB05-010	0.15	C	66	67	57.1	60.3	3.2	No	No	Steinbrenner High School
NB05	NNB05-011	0.15	C	66	67	56.3	59.7	3.4	No	No	Steinbrenner High School
NB05	NNB05-012	0.15	C	66	67	57.0	60.1	3.1	No	No	Steinbrenner High School
NB05	NNB05-013	0.15	C	66	67	57.5	60.9	3.4	No	No	Steinbrenner High School
NB05	NNB05-014	0.15	C	66	67	54.7	57.9	3.2	No	No	Steinbrenner High School
NB05	NNB05-015	0.15	C	66	67	54.4	57.7	3.3	No	No	Steinbrenner High School
NB05	NNB05-016	0.15	C	66	67	54.1	57.5	3.4	No	No	Steinbrenner High School
NB05	NNB05-017	0.15	C	66	67	54.5	58.0	3.5	No	No	Steinbrenner High School
NB05	NNB05-018	0.15	C	66	67	54.1	57.8	3.7	No	No	Steinbrenner High School
NB05	NNB05-019	0.15	C	66	67	53.9	57.5	3.6	No	No	Steinbrenner High School
NB05	NNB05-020	0.15	C	66	67	54.4	58.4	4.0	No	No	Steinbrenner High School
NB05	NNB05-021	0.15	C	66	67	54.6	58.3	3.7	No	No	Steinbrenner High School
NB05	NNB05-022	0.15	C	66	67	62.5	64.3	1.8	No	No	Steinbrenner High School
NB05	NNB05-023	0.15	C	66	67	58.0	61.7	3.7	No	No	Steinbrenner High School
NB05	NNB05-024	0.15	C	66	67	57.8	61.5	3.7	No	No	Steinbrenner High School
NB05	NNB05-025	0.15	C	66	67	59.1	62.4	3.3	No	No	Steinbrenner High School
NB05	NNB05-026	0.15	C	66	67	61.1	63.5	2.4	No	No	Steinbrenner High School
NB05	NNB05-027	0.15	C	66	67	62.6	64.7	2.1	No	No	Steinbrenner High School
NB05	NNB05-028	0.15	C	66	67	60.2	63.3	3.1	No	No	Steinbrenner High School
NB05	NNB05-029	0.15	C	66	67	58.7	62.3	3.6	No	No	Steinbrenner High School
NB05	NNB05-030	0.15	C	66	67	58.3	62.1	3.8	No	No	Steinbrenner High School
NB05	NNB05-031	0.15	C	66	67	59.6	63.3	3.7	No	No	Steinbrenner High School
NB05	NNB05-032	0.15	C	66	67	61.3	64.3	3.0	No	No	Steinbrenner High School
NB05	NNB05-033	0.15	C	66	67	62.9	65.4	2.5	No	No	Steinbrenner High School
NB05	NNB05-034	0.15	C	66	67	60.5	63.9	3.4	No	No	Steinbrenner High School
NB05	NNB05-035	0.15	C	66	67	59.0	63.1	4.1	No	No	Steinbrenner High School
NB05	NNB05-036	0.15	C	66	67	58.7	62.8	4.1	No	No	Steinbrenner High School
NB05	NNB05-037	0.15	C	66	67	59.9	63.8	3.9	No	No	Steinbrenner High School
NB05	NNB05-038	0.15	C	66	67	61.5	65.0	3.5	No	No	Steinbrenner High School
NB05	NNB05-039	0.15	C	66	67	63.1	66.2	3.1	Yes	No	Steinbrenner High School
NB05	NNB05-040	0.15	C	66	67	60.7	64.8	4.1	No	No	Steinbrenner High School
NB05	NNB05-041	0.15	C	66	67	59.5	63.8	4.3	No	No	Steinbrenner High School
NB05	NNB05-042	0.15	C	66	67	58.4	63.1	4.7	No	No	Steinbrenner High School
NB05	NNB05-043	0.15	C	66	67	57.6	62.5	4.9	No	No	Steinbrenner High School
NB05	NNB05-044	0.15	C	66	67	57.4	62.4	5.0	No	No	Steinbrenner High School
NB05	NNB05-045	0.15	C	66	67	57.0	62.3	5.3	No	No	Steinbrenner High School
NB05	NNB05-046	0.15	C	66	67	57.4	62.7	5.3	No	No	Steinbrenner High School
NB05	NNB05-047	0.15	C	66	67	56.8	62.3	5.5	No	No	Steinbrenner High School
NB05	NNB05-048	0.15	C	66	67	57.2	62.8	5.6	No	No	Steinbrenner High School
NB05	NNB05-049	0.15	C	66	67	58.2	63.3	5.1	No	No	Steinbrenner High School
NB05	NNB05-050	0.15	C	66	67	59.2	63.9	4.7	No	No	Steinbrenner High School
NB05	NNB05-051	0.15	C	66	67	60.1	64.6	4.5	No	No	Steinbrenner High School
NB05	NNB05-052	0.15	C	66	67	61.8	65.8	4.0	No	No	Steinbrenner High School
NB05	NNB05-053	0.15	C	66	67	63.1	66.9	3.8	Yes	No	Steinbrenner High School
NB05	NNB05-054	0.15	C	66	67	61.1	65.6	4.5	No	No	Steinbrenner High School
NB05	NNB05-055	0.15	C	66	67	59.8	64.6	4.8	No	No	Steinbrenner High School
NB05	NNB05-056	0.15	C	66	67	58.9	64.1	5.2	No	No	Steinbrenner High School
NB05	NNB05-057	0.15	C	66	67	58.0	63.5	5.5	No	No	Steinbrenner High School

Predicted Noise Levels

Appendix B-2

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
NB05	NNB05-058	0.15	C	66	67	57.1	62.8	5.7	No	No	Steinbrenner High School
NB05	NNB05-059	0.15	C	66	67	57.0	62.8	5.8	No	No	Steinbrenner High School
NB05	NNB05-060	0.15	C	66	67	57.8	63.6	5.8	No	No	Steinbrenner High School
NB05	NNB05-061	0.15	C	66	67	58.6	64.3	5.7	No	No	Steinbrenner High School
NB05	NNB05-062	0.15	C	66	67	59.5	64.7	5.2	No	No	Steinbrenner High School
NB05	NNB05-063	0.15	C	66	67	60.6	65.6	5.0	No	No	Steinbrenner High School
NB05	NNB05-064	0.15	C	66	67	61.9	66.3	4.4	Yes	No	Steinbrenner High School
NB05	NNB05-065	0.15	C	66	67	60.4	65.7	5.3	No	No	Steinbrenner High School
NB05	NNB05-066	0.15	C	66	67	60.2	65.4	5.2	No	No	Steinbrenner High School
NB05	NNB05-067	0.15	C	66	67	59.3	64.8	5.5	No	No	Steinbrenner High School
NB05	NNB05-068	0.15	C	66	67	58.5	64.4	5.9	No	No	Steinbrenner High School
NB05	NNB05-069	0.15	C	66	67	57.8	63.6	5.8	No	No	Steinbrenner High School
NB05	NNB05-070	0.15	C	66	67	57.0	62.8	5.8	No	No	Steinbrenner High School
NB05	NNB05-071	0.15	C	66	67	57.0	62.8	5.8	No	No	Steinbrenner High School
NB05	NNB05-072	0.15	C	66	67	57.7	63.5	5.8	No	No	Steinbrenner High School
NB05	NNB05-073	0.15	C	66	67	58.4	64.4	6.0	No	No	Steinbrenner High School
NB05	NNB05-074	0.15	C	66	67	59.2	65.1	5.9	No	No	Steinbrenner High School
NB05	NNB05-075	0.15	C	66	67	60.0	65.3	5.3	No	No	Steinbrenner High School
NB05	NNB05-076	0.15	C	66	67	59.9	65.4	5.5	No	No	Steinbrenner High School
NB05	NNB05-077	0.15	C	66	67	59.8	65.3	5.5	No	No	Steinbrenner High School
NB05	NNB05-078	0.15	C	66	67	59.1	65.2	6.1	No	No	Steinbrenner High School
NB05	NNB05-079	0.15	C	66	67	58.3	64.3	6.0	No	No	Steinbrenner High School
NB05	NNB05-080	0.15	C	66	67	57.7	63.5	5.8	No	No	Steinbrenner High School
NB05	NNB05-081	0.15	C	66	67	58.2	64.2	6.0	No	No	Steinbrenner High School
NB05	NNB05-082	0.15	C	66	67	59.0	65.2	6.2	No	No	Steinbrenner High School
NB05	NNB05-083	0.15	C	66	67	59.6	64.8	5.2	No	No	Steinbrenner High School
NB05	NNB05-084	0.15	C	66	67	59.7	65.3	5.6	No	No	Steinbrenner High School
NB05	NNB05-085	0.15	C	66	67	58.9	65.0	6.1	No	No	Steinbrenner High School
NB05	NNB05-086	0.15	C	66	67	59.7	65.8	6.1	No	No	Steinbrenner High School
NB05	NNB05-087	0.15	C	66	67	60.6	65.8	5.2	No	No	Steinbrenner High School
NB05	NNB05-088	0.15	C	66	67	60.9	67.5	6.6	Yes	No	Steinbrenner High School
NB05	NNB05-089	0.15	C	66	67	61.0	67.5	6.5	Yes	No	Steinbrenner High School
NB05	NNB05-090	0.15	C	66	67	61.2	67.9	6.7	Yes	No	Steinbrenner High School
NB05	NNB05-091	0.15	C	66	67	61.4	68.3	6.9	Yes	No	Steinbrenner High School
NB05	NNB05-092	0.15	C	66	67	61.6	68.0	6.4	Yes	No	Steinbrenner High School
NB05	NNB05-093	0.15	C	66	67	61.0	67.9	6.9	Yes	No	Steinbrenner High School
NB05	NNB05-094	0.15	C	66	67	61.3	68.2	6.9	Yes	No	Steinbrenner High School
NB05	NNB05-095	0.15	C	66	67	60.3	66.7	6.4	Yes	No	Steinbrenner High School
NB05	NNB05-096	0.15	C	66	67	59.5	65.6	6.1	No	No	Steinbrenner High School
NB05	NNB05-097	0.15	C	66	67	58.5	64.8	6.3	No	No	Steinbrenner High School
NB05	NNB05-098	0.15	C	66	67	57.8	63.9	6.1	No	No	Steinbrenner High School
NB05	NNB05-099	0.15	C	66	67	57.3	63.4	6.1	No	No	Steinbrenner High School
NB05	NNB05-100	0.15	C	66	67	58.1	64.2	6.1	No	No	Steinbrenner High School
NB05	NNB05-101	0.15	C	66	67	58.8	65.0	6.2	No	No	Steinbrenner High School
NB05	NNB05-102	0.15	C	66	67	59.6	66.0	6.4	No	No	Steinbrenner High School
NB05	NNB05-103	0.15	C	66	67	60.5	67.0	6.5	Yes	No	Steinbrenner High School
NB05	NNB05-104	0.15	C	66	67	60.1	66.4	6.3	Yes	No	Steinbrenner High School
NB05	NNB05-105	0.15	C	66	67	59.1	65.4	6.3	No	No	Steinbrenner High School
NB05	NNB05-106	0.15	C	66	67	58.2	64.5	6.3	No	No	Steinbrenner High School
NB05	NNB05-107	0.15	C	66	67	58.0	64.2	6.2	No	No	Steinbrenner High School
NB05	NNB05-108	0.15	C	66	67	57.5	63.6	6.1	No	No	Steinbrenner High School
NB05	NNB05-109	0.15	C	66	67	59.0	65.3	6.3	No	No	Steinbrenner High School
NB05	NNB05-110	0.15	C	66	67	59.9	66.2	6.3	Yes	No	Steinbrenner High School
NB05	NNB05-111	0.15	C	66	67	60.5	66.9	6.4	Yes	No	Steinbrenner High School
NB05	NNB05-112	0.15	C	66	67	59.4	65.7	6.3	No	No	Steinbrenner High School
NB05	NNB05-113	0.15	C	66	67	58.7	64.8	6.1	No	No	Steinbrenner High School
NB05	NNB05-114	0.15	C	66	67	57.8	64.0	6.2	No	No	Steinbrenner High School
NB05	NNB05-115	0.15	C	66	67	57.4	63.5	6.1	No	No	Steinbrenner High School
NB05	NNB05-116	0.15	C	66	67	58.0	64.3	6.3	No	No	Steinbrenner High School
NB05	NNB05-117	0.15	C	66	67	59.2	65.2	6.0	No	No	Steinbrenner High School
NB05	NNB05-118	0.15	C	66	67	59.9	66.1	6.2	Yes	No	Steinbrenner High School
NB05	NNB05-119	0.15	C	66	67	61.0	67.2	6.2	Yes	No	Steinbrenner High School
NB05	NNB05-120	0.15	C	66	67	61.9	68.5	6.6	Yes	No	Steinbrenner High School
NB05	NNB05-121	0.15	C	66	67	62.5	69.0	6.5	Yes	No	Steinbrenner High School
NB05	NNB05-122	0.15	C	66	67	67.6	74.7	7.1	Yes	No	Steinbrenner High School
NB05	NNB05-123	0.15	C	66	67	65.4	72.4	7.0	Yes	No	Steinbrenner High School
NB05	NNB05-124	0.15	C	66	67	63.8	70.6	6.8	Yes	No	Steinbrenner High School
NB05	NNB05-125	0.15	C	66	67	63.0	69.7	6.7	Yes	No	Steinbrenner High School
NB05	NNB05-126	0.15	C	66	67	62.5	69.1	6.6	Yes	No	Steinbrenner High School
NB05	NNB05-127	0.15	C	66	67	61.4	67.7	6.3	Yes	No	Steinbrenner High School
NB05	NNB05-128	0.15	C	66	67	60.3	66.5	6.2	Yes	No	Steinbrenner High School
NB05	NNB05-129	0.15	C	66	67	59.3	65.5	6.2	No	No	Steinbrenner High School
NB05	NNB05-130	0.15	C	66	67	58.4	64.6	6.2	No	No	Steinbrenner High School
NB05	NNB05-131	0.15	C	66	67	57.6	63.8	6.2	No	No	Steinbrenner High School
NB05	NNB05-132	0.15	C	66	67	57.8	64.1	6.3	No	No	Steinbrenner High School
NB05	NNB05-133	0.15	C	66	67	58.7	65.0	6.3	No	No	Steinbrenner High School
NB05	NNB05-134	0.15	C	66	67	59.8	65.9	6.1	No	No	Steinbrenner High School

Predicted Noise Levels

Appendix B-2

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2023 Existing LAeq1h (dBA)	2050 Build LAeq1h (dBA)	Increase	NAC Approach or Exceeded	Subst. Increase (>15dB(A))	Description
XX.X	Impacted Receptor										
NB05	NNB05-135	0.15	C	66	67	60.9	67.0	6.1	Yes	No	Steinbrenner High School
NB05	NNB05-136	0.15	C	66	67	61.9	68.2	6.3	Yes	No	Steinbrenner High School
NB05	NNB05-137	0.15	C	66	67	63.1	69.7	6.6	Yes	No	Steinbrenner High School
NB05	NNB05-138	0.15	C	66	67	63.2	69.9	6.7	Yes	No	Steinbrenner High School
NB05	NNB05-139	0.15	C	66	67	64.5	71.4	6.9	Yes	No	Steinbrenner High School
NB05	NNB05-140	0.15	C	66	67	66.4	73.2	6.8	Yes	No	Steinbrenner High School
NB05	NNB05-141	0.15	C	66	67	67.5	73.7	6.2	Yes	No	Steinbrenner High School
NB05	NNB05-142	0.15	C	66	67	65.6	72.0	6.4	Yes	No	Steinbrenner High School
NB05	NNB05-143	0.15	C	66	67	63.6	70.3	6.7	Yes	No	Steinbrenner High School
NB05	NNB05-144	0.15	C	66	67	63.3	69.9	6.6	Yes	No	Steinbrenner High School
NB05	NNB05-145	0.15	C	66	67	62.4	68.7	6.3	Yes	No	Steinbrenner High School
NB05	NNB05-146	0.15	C	66	67	61.2	67.4	6.2	Yes	No	Steinbrenner High School
NB05	NNB05-147	0.15	C	66	67	60.1	66.3	6.2	Yes	No	Steinbrenner High School
NB05	NNB05-148	0.15	C	66	67	59.0	65.4	6.4	No	No	Steinbrenner High School
NB05	NNB05-149	0.15	C	66	67	58.3	64.4	6.1	No	No	Steinbrenner High School
NB05	NNB05-150	0.15	C	66	67	59.7	65.7	6.0	No	No	Steinbrenner High School
NB05	NNB05-151	0.15	C	66	67	60.5	66.7	6.2	Yes	No	Steinbrenner High School
NB05	NNB05-152	0.15	C	66	67	61.8	67.9	6.1	Yes	No	Steinbrenner High School
NB05	NNB05-153	0.15	C	66	67	62.9	69.3	6.4	Yes	No	Steinbrenner High School
NB05	NNB05-154	0.15	C	66	67	63.4	70.0	6.6	Yes	No	Steinbrenner High School
NB05	NNB05-155	0.15	C	66	67	64.5	71.0	6.5	Yes	No	Steinbrenner High School
NB05	NNB05-156	0.15	C	66	67	66.3	72.9	6.6	Yes	No	Steinbrenner High School
NB05	NNB05-157	0.15	C	66	67	67.2	73.5	6.3	Yes	No	Steinbrenner High School
NB05	NNB05-158	0.15	C	66	67	65.3	71.8	6.5	Yes	No	Steinbrenner High School
NB05	NNB05-159	0.15	C	66	67	63.6	70.1	6.5	Yes	No	Steinbrenner High School
NB05	NNB05-160	0.15	C	66	67	62.1	68.4	6.3	Yes	No	Steinbrenner High School
NB05	NNB05-161	0.15	C	66	67	65.9	72.3	6.4	Yes	No	Steinbrenner High School
NB08	NNB08-001	1.75	C	66	67	43.1	44.7	1.6	No	No	The Iris at Northpointe Outdoor Pool
NB09	NNB09-001	1.75	E	71	72	50.0	52.8	2.8	No	No	Residence Inn Outdoor Pool
NB09	NNB09-002	1.75	E	71	72	57.0	62.0	5.0	No	No	Hampton Garden Inn Outdoor Pool
NB09	NNB09-003	2.59	E	71	72	57.7	60.9	3.2	No	No	San Jose Mexican Restaurant Outdoor Seating
NB09	NNB09-004	0.39	E	71	72	53.6	56.3	2.7	No	No	International Beer Garden Outdoor Seating
NB09	NNB09-005	0.78	E	71	72	61.8	64.8	3.0	No	No	Carrabba's Outdoor Seating
NB09	NNB09-006	0.78	E	71	72	57.4	60.8	3.4	No	No	Carrabba's Outdoor Seating
NB09	NNB09-007	1.55	E	71	72	57.3	61.0	3.7	No	No	Bangkok Sushi Outdoor Seating
NB09	NNB09-008	2.59	E	71	72	53.7	57.3	3.6	No	No	Glory Days Grill Outdoor Seating
SB04	NSB04-001	0.82	C	66	67	72.3	76.3	4.0	Yes	No	Cheval West Village Playground
SB05	NSB05-001	1.75	C	66	67	61.9	66.6	4.7	Yes	No	Tarramor Outdoor Pool
SB05	NSB05-002	1.75	C	66	67	52.8	57.4	4.6	No	No	Tuscano at Suncoast Crossings Outdoor Pool
SB06	NSB06-001	0.46	C	66	67	62.9	68.1	5.2	Yes	No	Discovery Pointe Outdoor Play Area
SB06	NSB06-002	0.46	C	66	67	61.7	66.6	4.9	Yes	No	Discovery Pointe Outdoor Play Area
SB06	NSB06-003	0.46	C	66	67	61.6	66.2	4.6	Yes	No	Discovery Pointe Outdoor Play Area
SB06	NSB06-004	0.46	C	66	67	61.1	66.5	5.4	Yes	No	Discovery Pointe Outdoor Play Area
SB06	NSB06-005	0.46	C	66	67	61.0	66.4	5.4	Yes	No	Discovery Pointe Outdoor Play Area
SB06	NSB06-006	0.46	C	66	67	60.6	65.9	5.3	No	No	Discovery Pointe Outdoor Play Area
SB06	NSB06-007	0.46	C	66	67	59.7	64.4	4.7	No	No	Discovery Pointe Outdoor Play Area
SB06	NSB06-008	0.46	C	66	67	58.9	63.2	4.3	No	No	Discovery Pointe Outdoor Play Area
SB06	NSB06-009	0.46	C	66	67	58.1	62.6	4.5	No	No	Discovery Pointe Outdoor Play Area
SB06	NSB06-010	0.46	C	66	67	58.3	62.7	4.4	No	No	Discovery Pointe Outdoor Play Area
SB06	NSB06-011	0.19	E	71	72	66.1	69.3	3.2	No	No	Chili's Outdoor Seating
SB06	NSB06-012	2.13	E	71	72	65.4	68.9	3.5	No	No	Starbucks Outdoor Seating
SB07	NSB07-001	0.97	C	66	67	55.9	60.1	4.2	No	No	South Branch Preserve Playground
SB07	NSB07-002	0.97	C	66	67	56.0	60.1	4.1	No	No	South Branch Preserve Playground
SB07	NSB07-003	4.31	C	66	67	54.3	58.6	4.3	No	No	South Branch Preserve Outdoor Pool
SB07	NSB07-004	4.31	C	66	67	54.1	58.4	4.3	No	No	South Branch Preserve Outdoor Pool
SB07	NSB07-005	4.31	C	66	67	57.4	63.1	5.7	No	No	South Branch Preserve Outdoor Pool
SB10	NSB10-001	1.75	C	66	67	62.9	64.4	1.5	No	No	Lone Star Townhomes Outdoor Pool

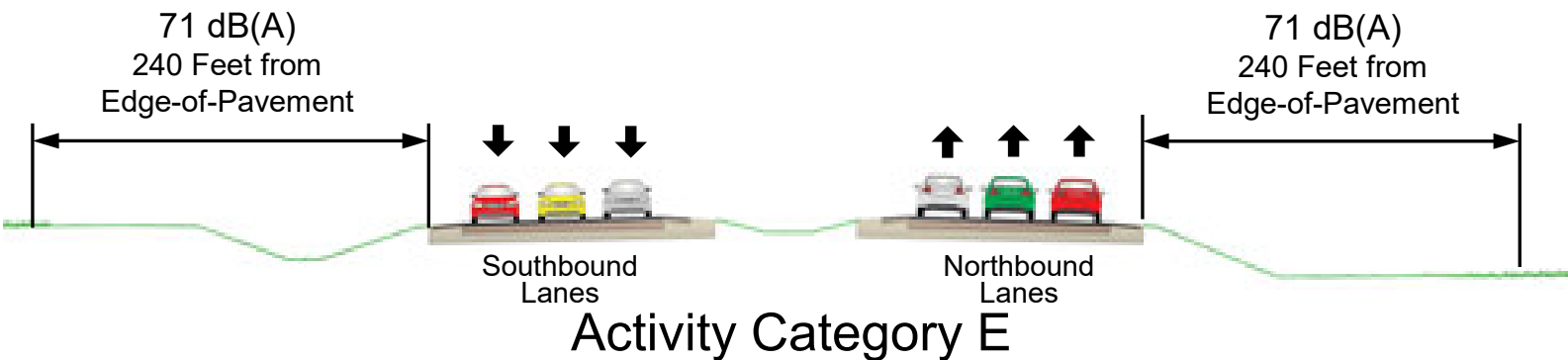
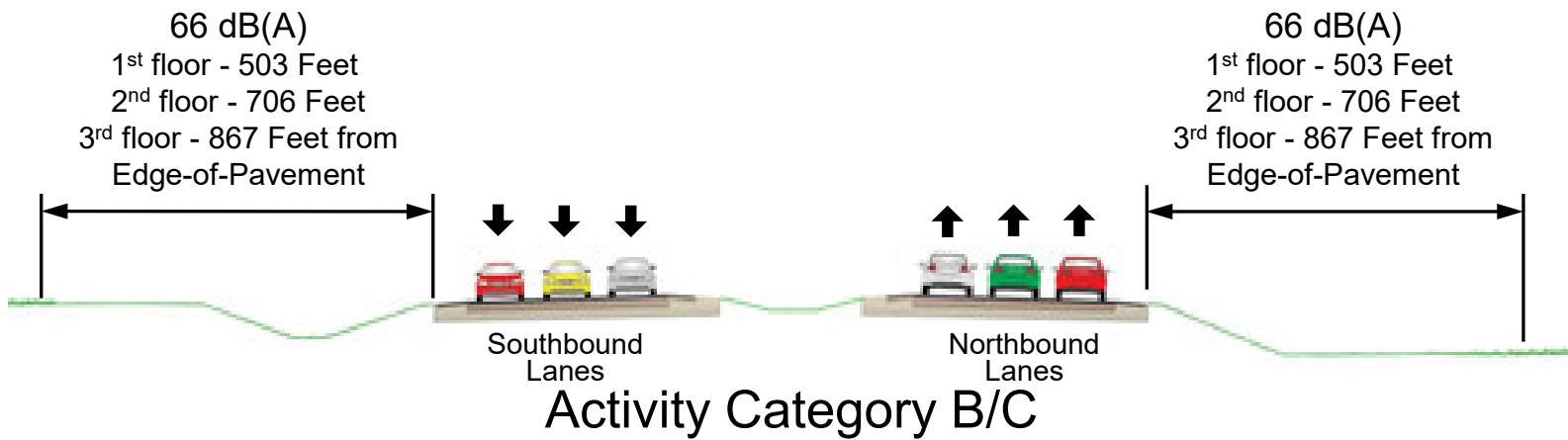
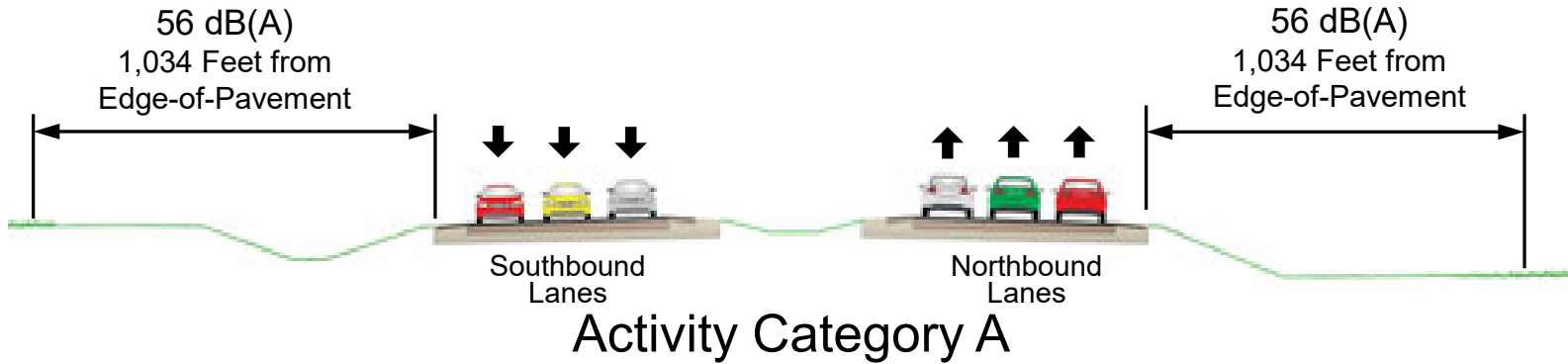
Appendix C

Project Noise Contours

Suncoast Parkway Noise Contours

6 Lane Segment

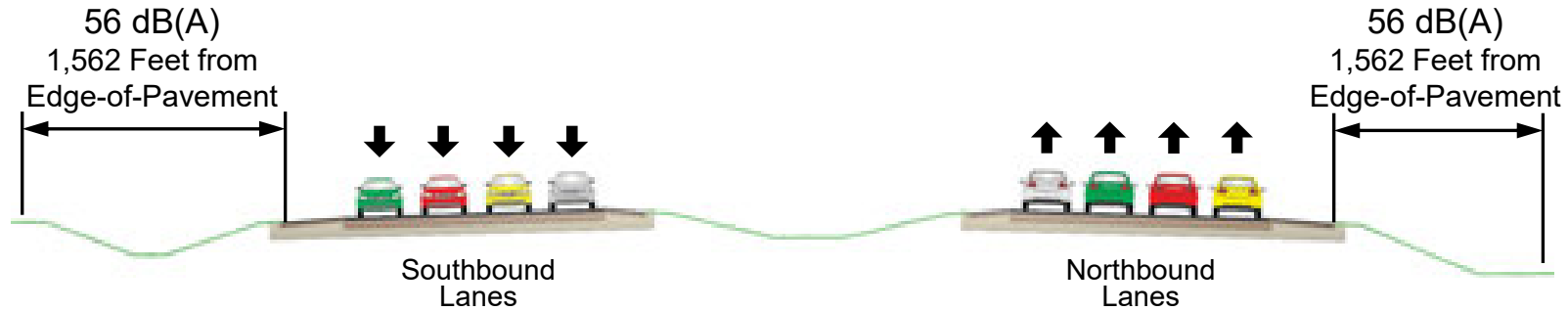
from State Road 54 to State Road 52



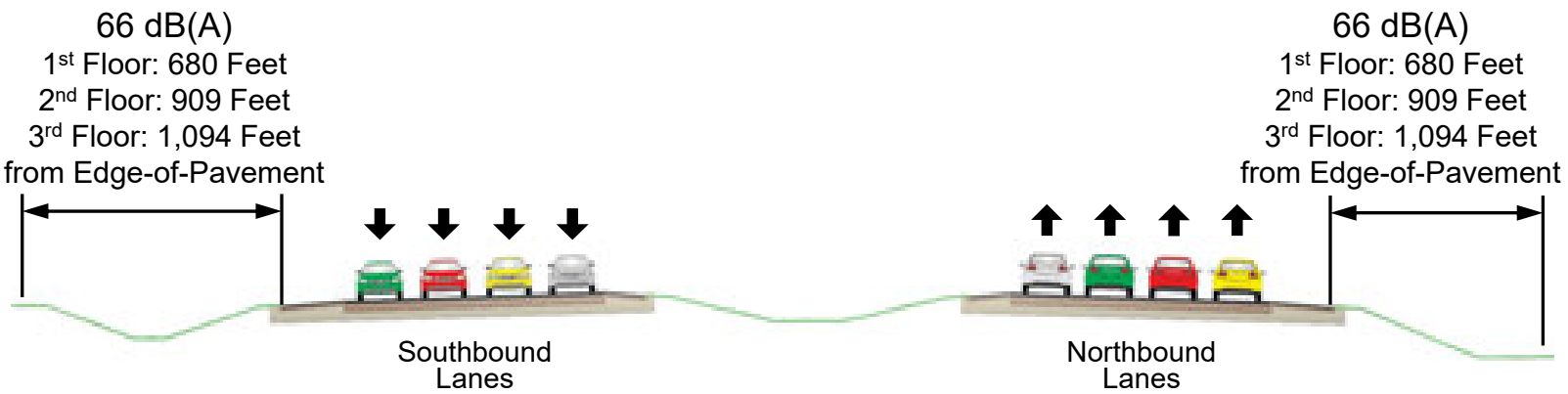
Suncoast Parkway Noise Contours

8 Lane Segment

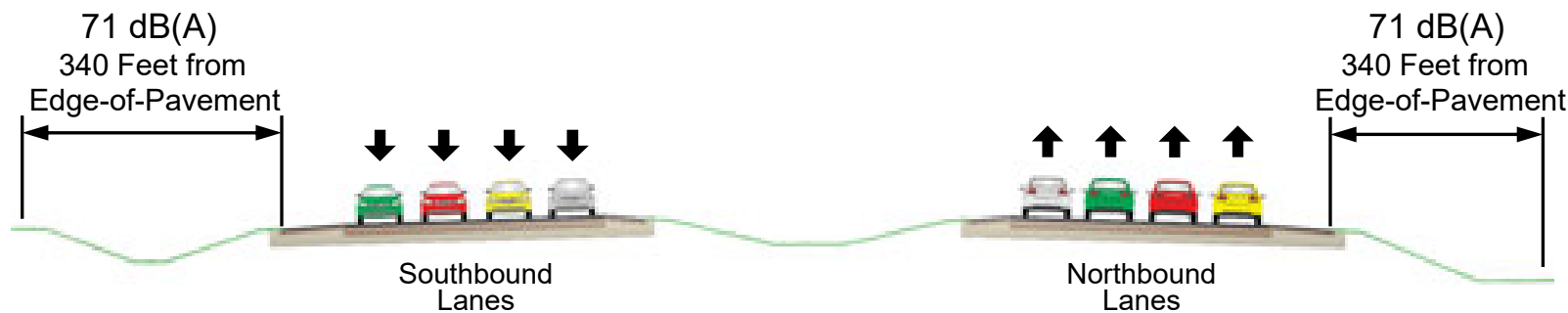
from south of Van Dyke Road to
State Road 54



Activity Category A



Activity Category B/C



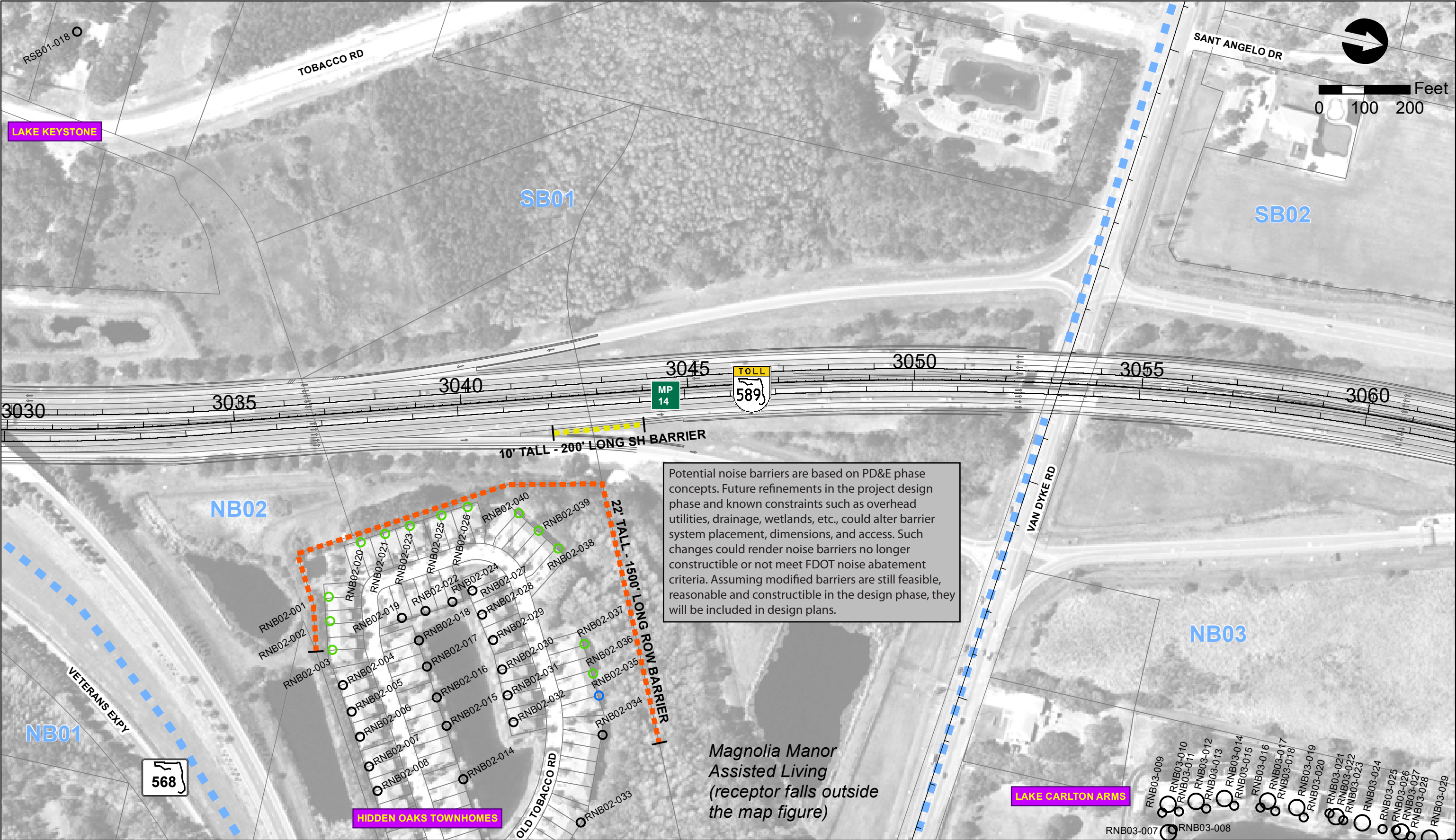
Activity Category E

Appendix D

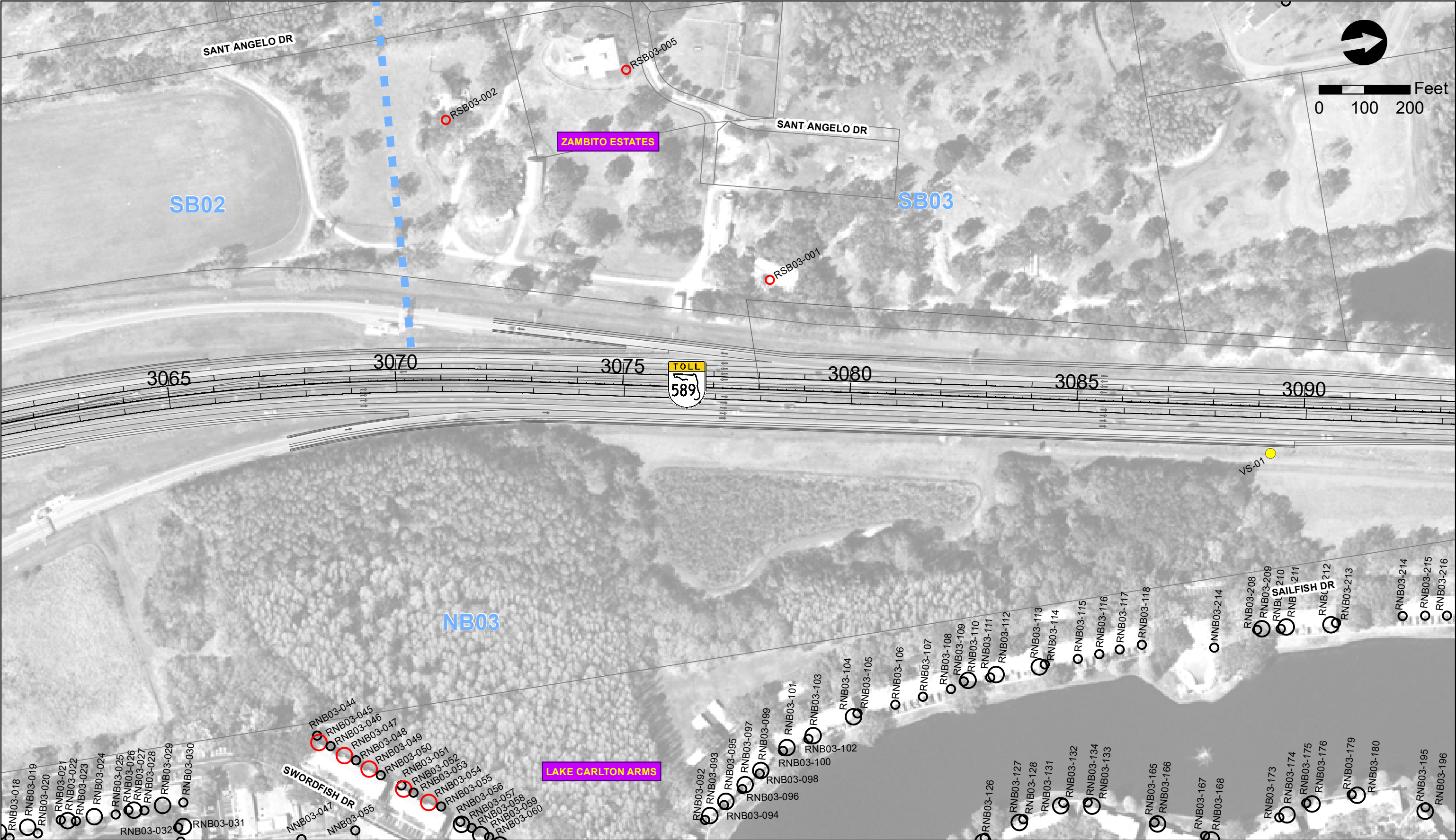
Project Aerials



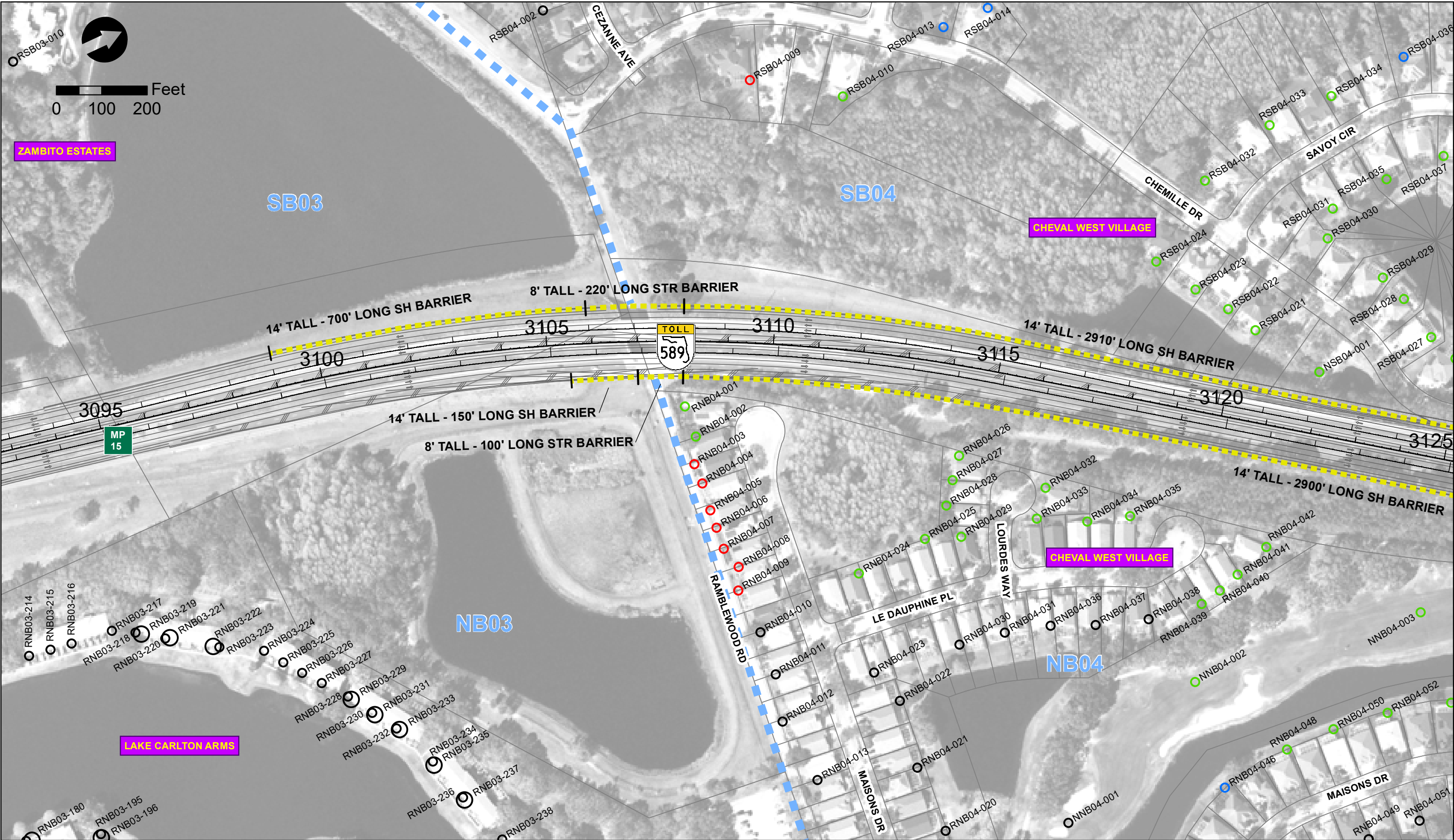
Impacted - Benefitted Impacted - Not Benefitted Not Impacted - Benefitted Not Impacted - Not Benefitted Validation Site ROW Barrier (Potential) Shoulder Barrier (Potential) 1st Floor Receptor 2nd Floor Receptor 3rd Floor Receptor Design Lines Common Noise Environment	Suncoast from Van Dyke to SR 52 PD&E Study	NOISE SPECIALIST Jeff Jones, GISP Ardurra 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NOISE STUDY REPORT PROJECT AERIALS	Sheet No. 1
		ROAD NO. 589	COUNTY HILLSBOROUGH, PASCO	FINANCIAL PROJECT ID 448068-1			



Impacted - Benefitted Impacted - Not Benefitted Not Impacted - Benefitted Not Impacted - Not Benefitted Validation Site 1st Floor Receptor 2nd Floor Receptor 3rd Floor Receptor ROW Barrier (Potential) Shoulder Barrier (Potential) Design Lines Common Noise Environment	Suncoast from Van Dyke to SR 52 PD&E Study	NOISE SPECIALIST	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NOISE STUDY REPORT PROJECT AERIALS	Sheet No.
		Jeff Jones, GISP Ardurra 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		2
		589	HILLSBOROUGH, PASCO	448068-1			



Impacted - Benefitted Impacted - Not Benefitted Not Impacted - Benefitted Not Impacted - Not Benefitted Validation Site ROW Barrier (Potential) Shoulder Barrier (Potential) 1st Floor Receptor 2nd Floor Receptor 3rd Floor Receptor Design Lines Common Noise Environment	Suncoast from Van Dyke to SR 52 PD&E Study	NOISE SPECIALIST Jeff Jones, GISP Ardurra 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NOISE STUDY REPORT PROJECT AERIALS	Sheet No.
			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			589	HILLSBOROUGH, PASCO	448068-1		3



Impacted - Benefitted

Impacted - Not Benefitted

Not Impacted - Benefitted

Not Impacted - Not Benefitted

Validation Site

ROW Barrier (Potential)

Shoulder Barrier (Potential)

1st Floor Receptor

2nd Floor Receptor

3rd Floor Receptor

Design Lines

Common Noise Environment

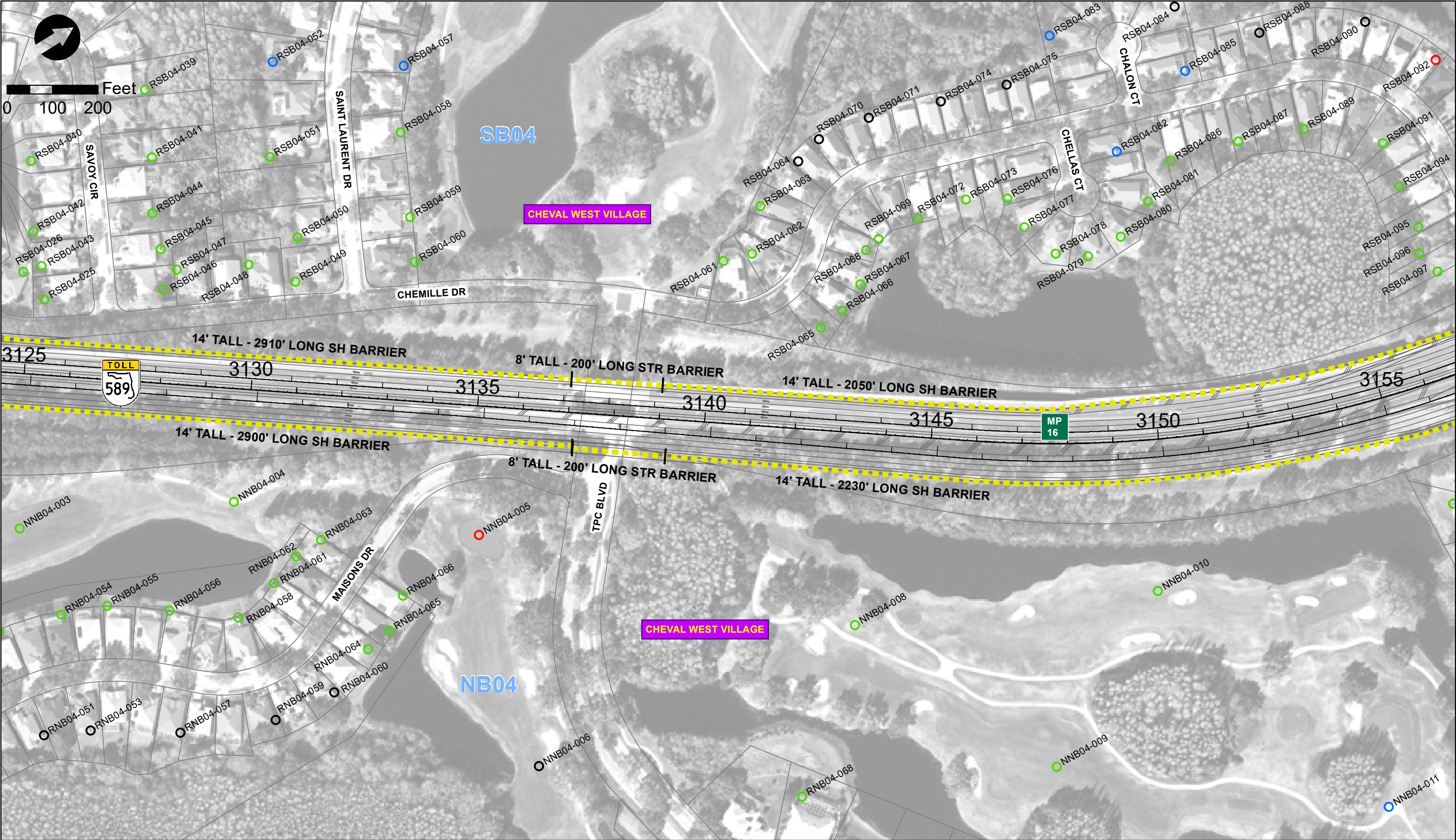
Suncoast from Van Dyke to SR 52
PD&E Study

NOISE SPECIALIST
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Oviedo, Florida 32765
P 407.971.8850

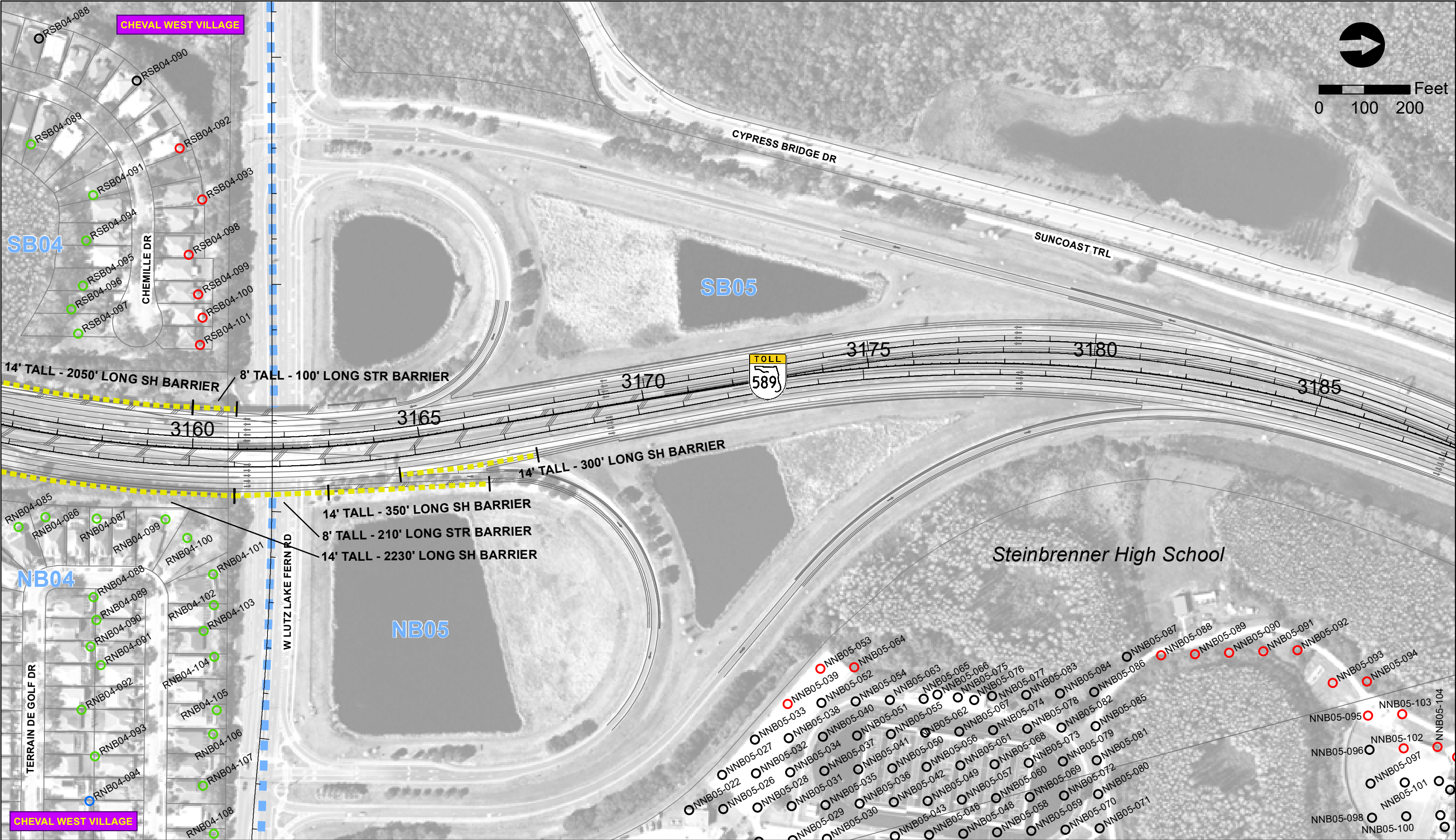
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DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
589	HILLSBOROUGH, PASCO	448068-1

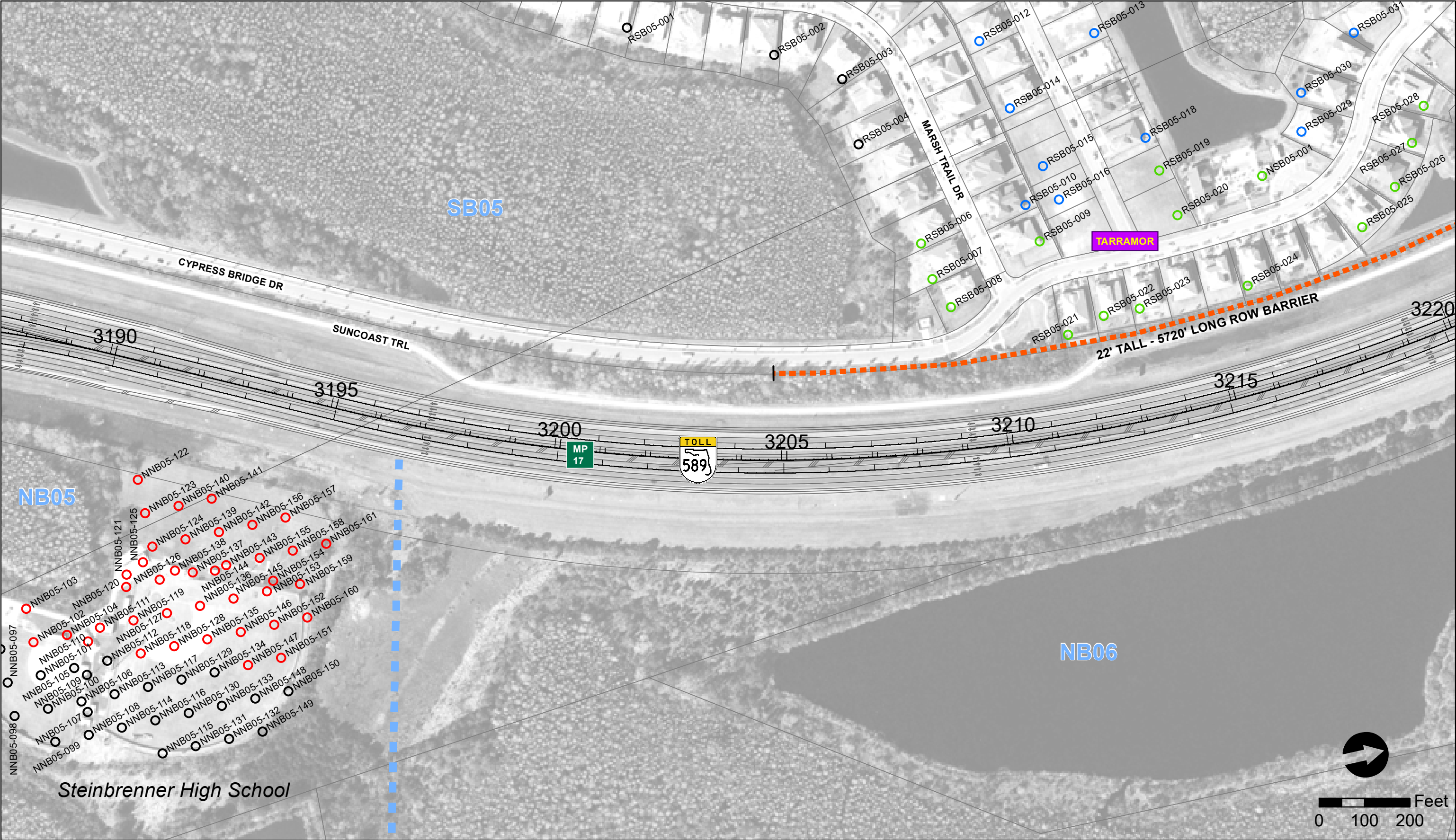
NOISE STUDY REPORT
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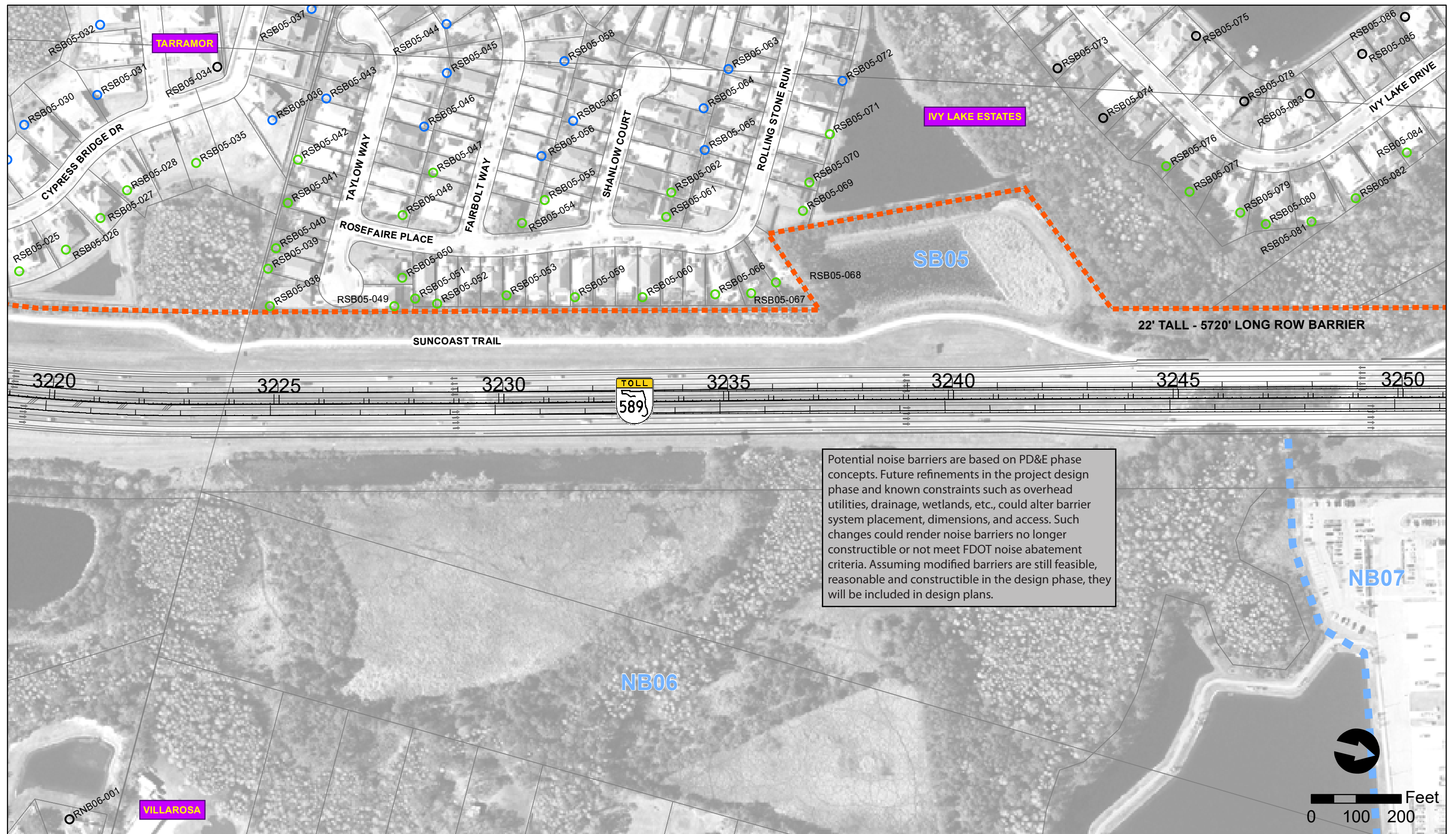


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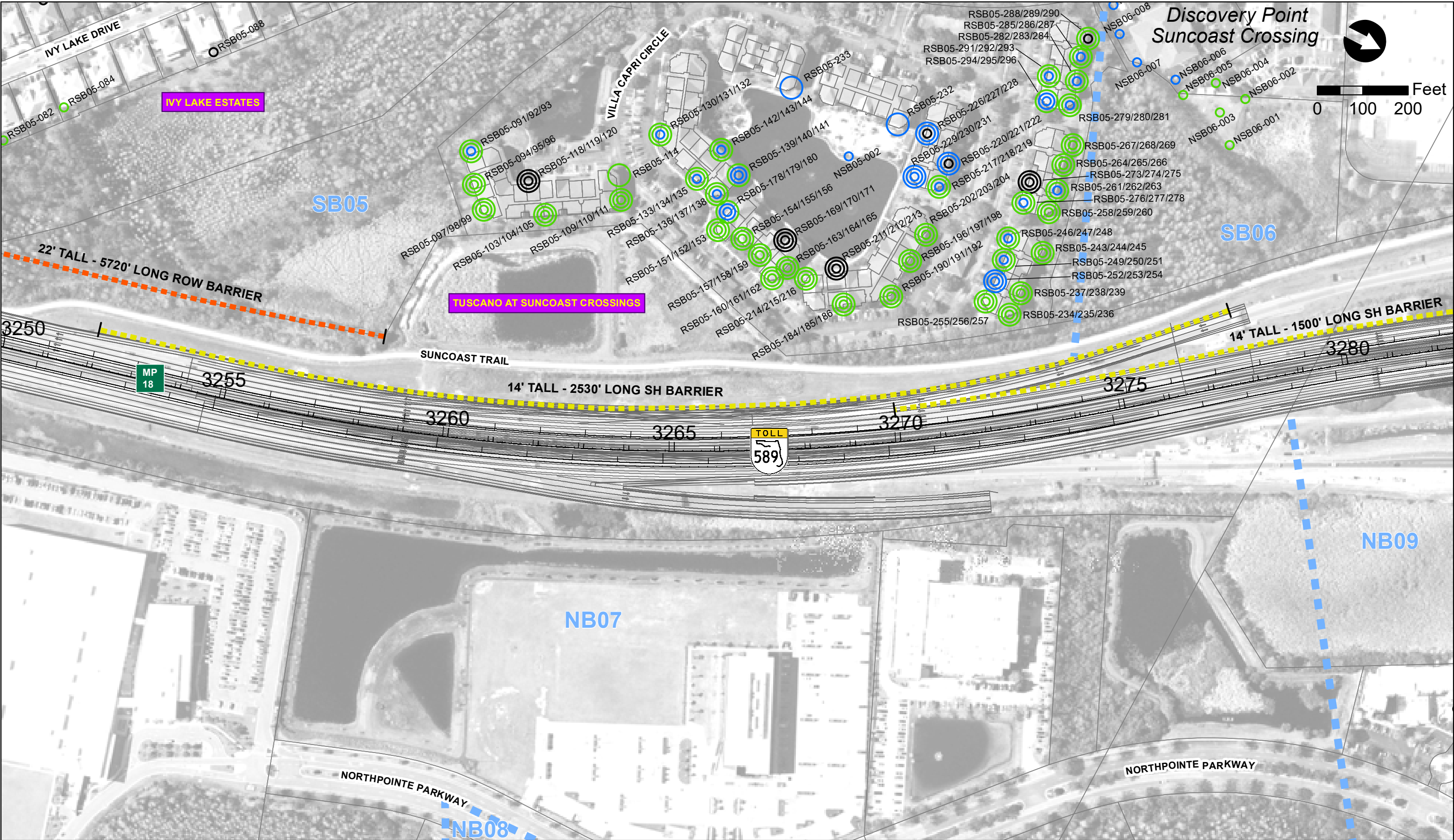




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		Jeff Jones, GISP Ardurra 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 P 407.971.8850	ROAD NO. COUNTY FINANCIAL PROJECT ID	589 HILLSBOROUGH, PASCO 448068-1	7		



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Impacted - Benefitted

Impacted - Not Benefitted

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Not Impacted - Not Benefitted

Validation Site

ROW Barrier (Potential)

Shoulder Barrier (Potential)

1st Floor Receptor

2nd Floor Receptor

3rd Floor Receptor

Design Lines

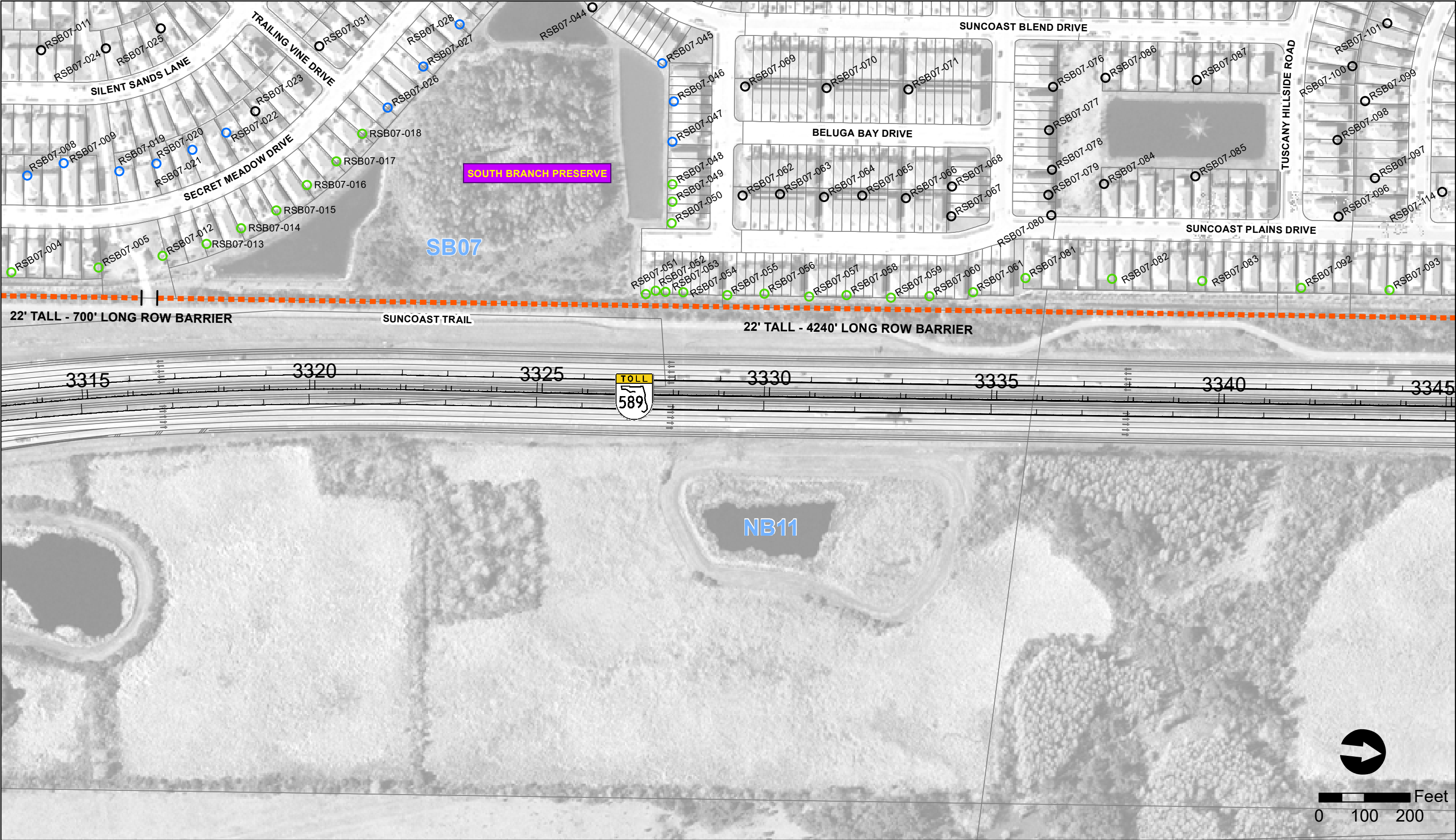
Common Noise Environment

Suncoast from Van Dyke to SR 52
PD&E Study

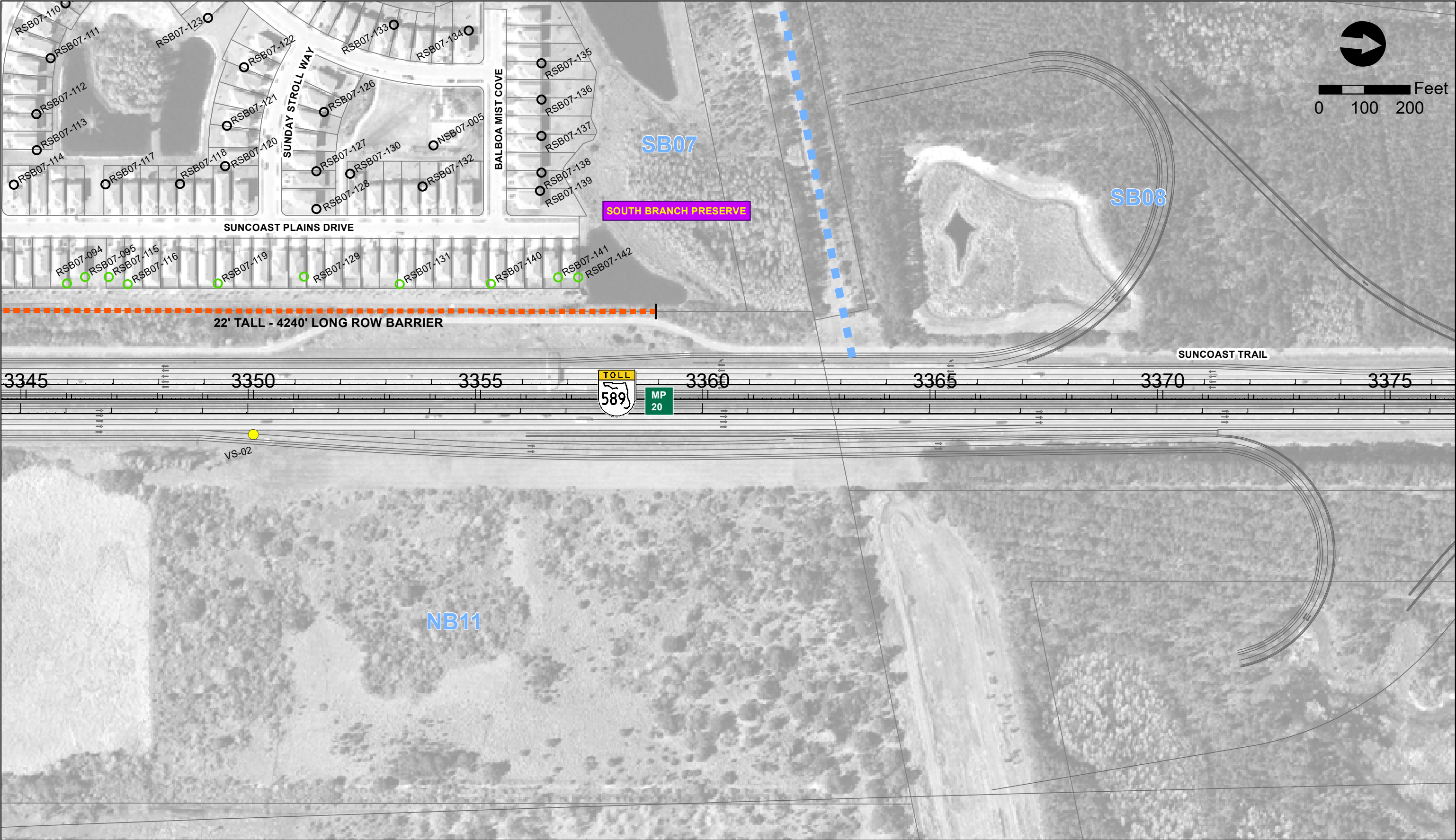
NOISE SPECIALIST
Jeff Jones, GISP
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NOISE STUDY REPORT
PROJECT AERIALS



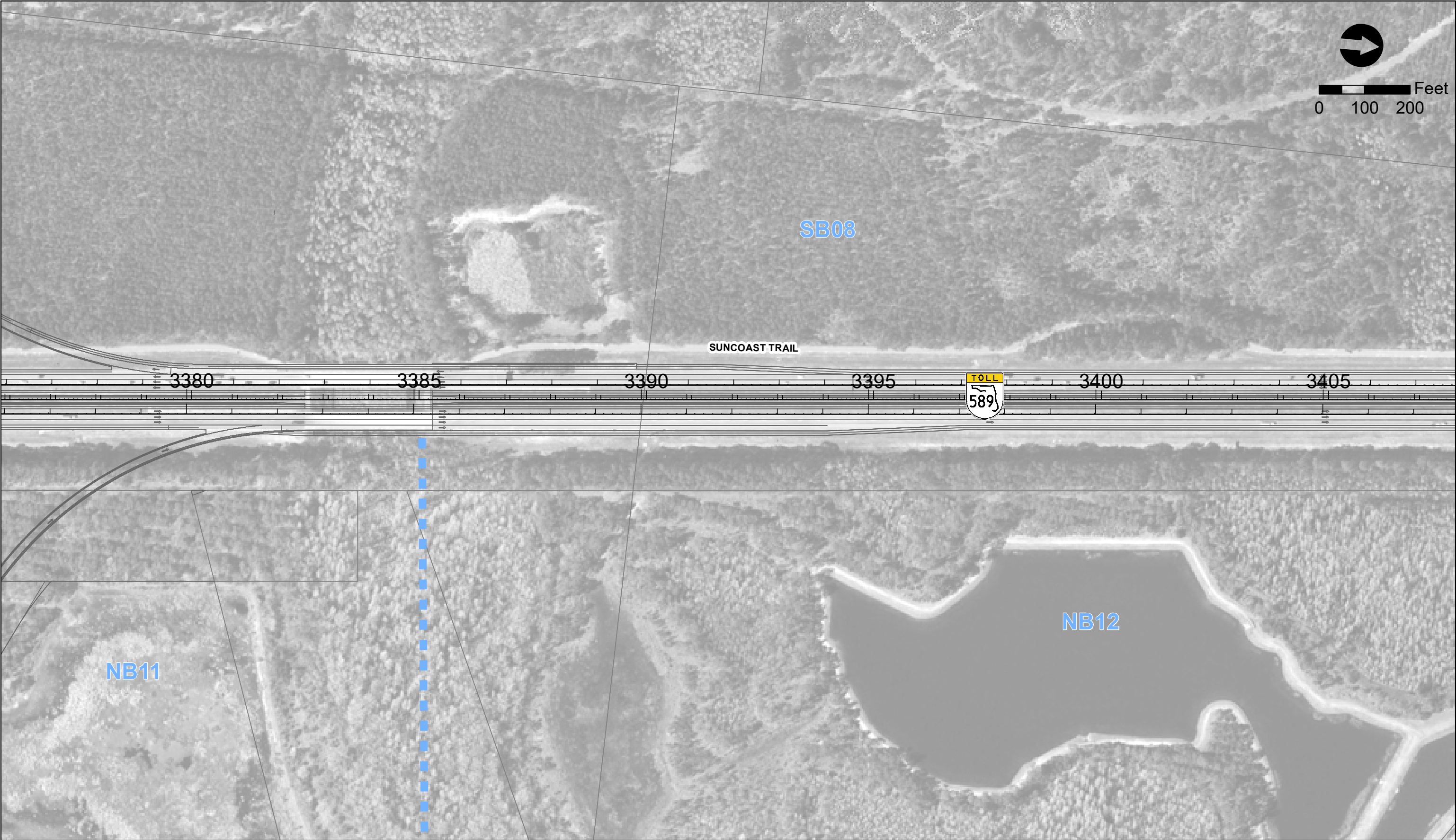
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		ROAD NO. 589	COUNTY HILLSBOROUGH, PASCO	FINANCIAL PROJECT ID 448068-1	11		



Impacted - Benefitted Impacted - Not Benefitted Not Impacted - Benefitted Not Impacted - Not Benefitted Validation Site ROW Barrier (Potential) Shoulder Barrier (Potential) 1st Floor Receptor 2nd Floor Receptor 3rd Floor Receptor
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Design Lines

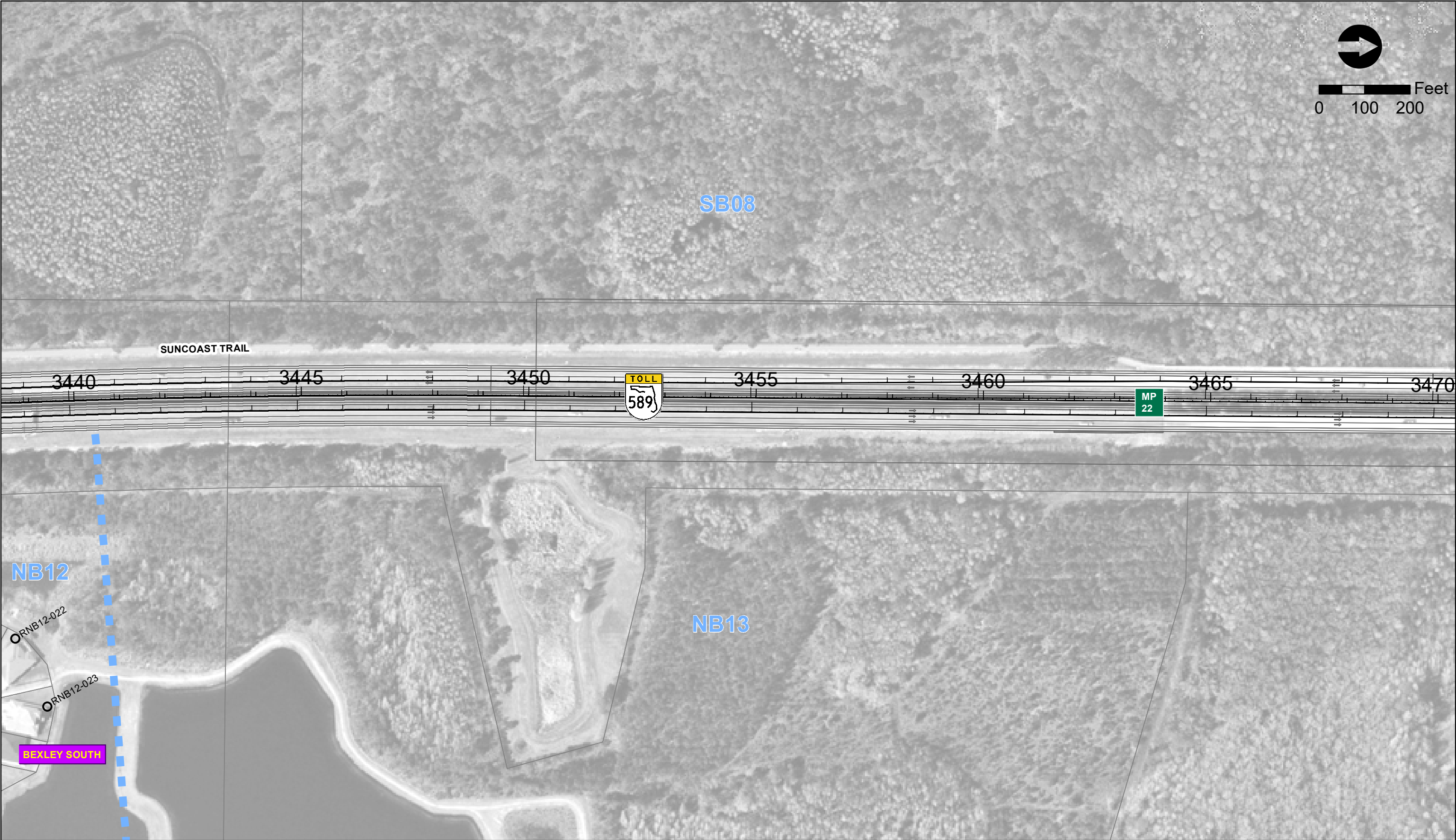
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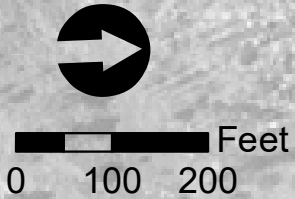
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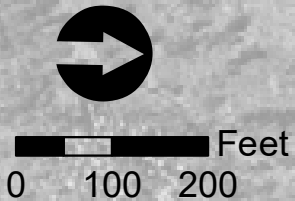
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			ROAD NO. 589	COUNTY HILLSBOROUGH, PASCO	FINANCIAL PROJECT ID 448068-1		
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		ROAD NO. 589	COUNTY HILLSBOROUGH, PASCO	FINANCIAL PROJECT ID 448068-1	17		



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Impacted - Benefitted

Impacted - Not Benefitted

Not Impacted - Benefitted

Not Impacted - Not Benefitted

Validation Site

ROW Barrier (Potential)

Shoulder Barrier (Potential)

1st Floor Receptor

2nd Floor Receptor

3rd Floor Receptor

Design Lines

Common Noise Environment

Suncoast from Van Dyke to SR 52

PD&E Study

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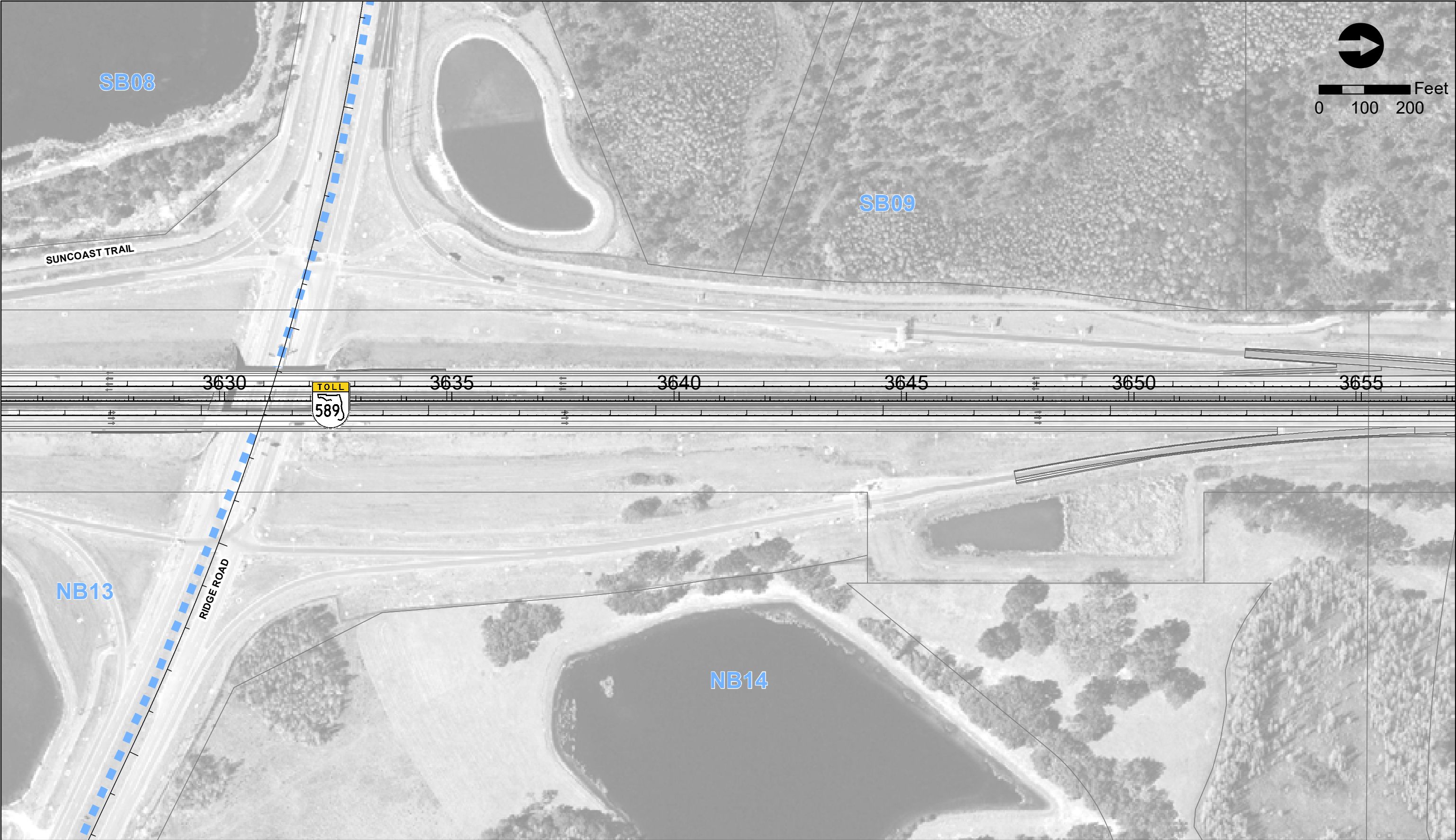
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NOISE STUDY REPORT

PROJECT AERIALS

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Impacted - Benefitted

Impacted - Not Benefitted

Not Impacted - Benefitted

Not Impacted - Not Benefitted

Validation Site

ROW Barrier (Potential)

Shoulder Barrier (Potential)

1st Floor Receptor

2nd Floor Receptor

3rd Floor Receptor

Design Lines

Common Noise Environment

Suncoast from Van Dyke to SR 52

PD&E Study

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COUNTY

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		ROAD NO. 589	COUNTY HILLSBOROUGH, PASCO	FINANCIAL PROJECT ID 448068-1	22		



Impacted - Benefitted

Impacted - Not Benefitted

Not Impacted - Benefitted

Not Impacted - Not Benefitted

Validation Site

ROW Barrier (Potential)

Shoulder Barrier (Potential)

1st Floor Receptor

2nd Floor Receptor

3rd Floor Receptor

Design Lines

Common Noise Environment

Suncoast from Van Dyke to SR 52

PD&E Study

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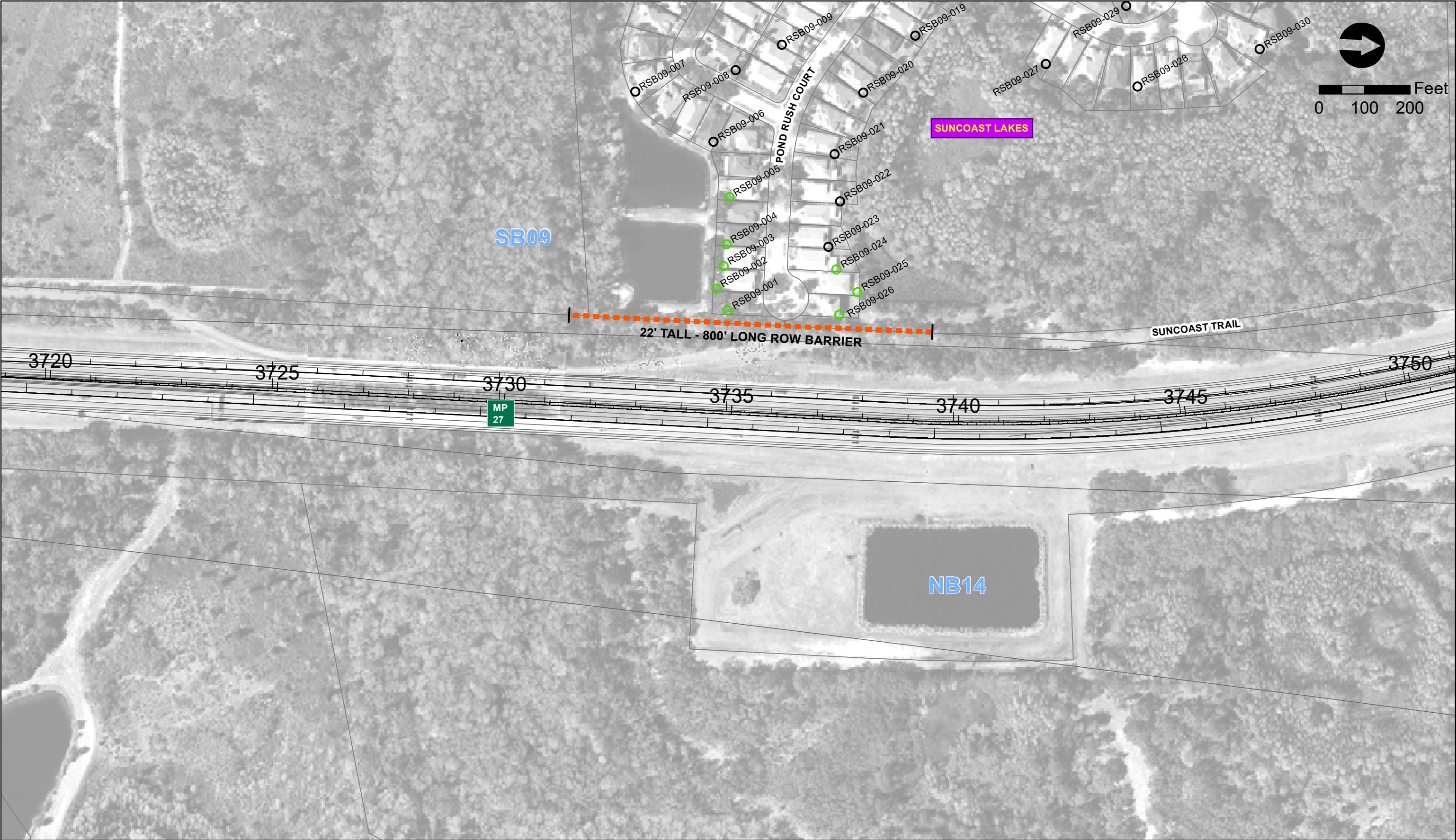
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NOISE STUDY REPORT

PROJECT AERIALS

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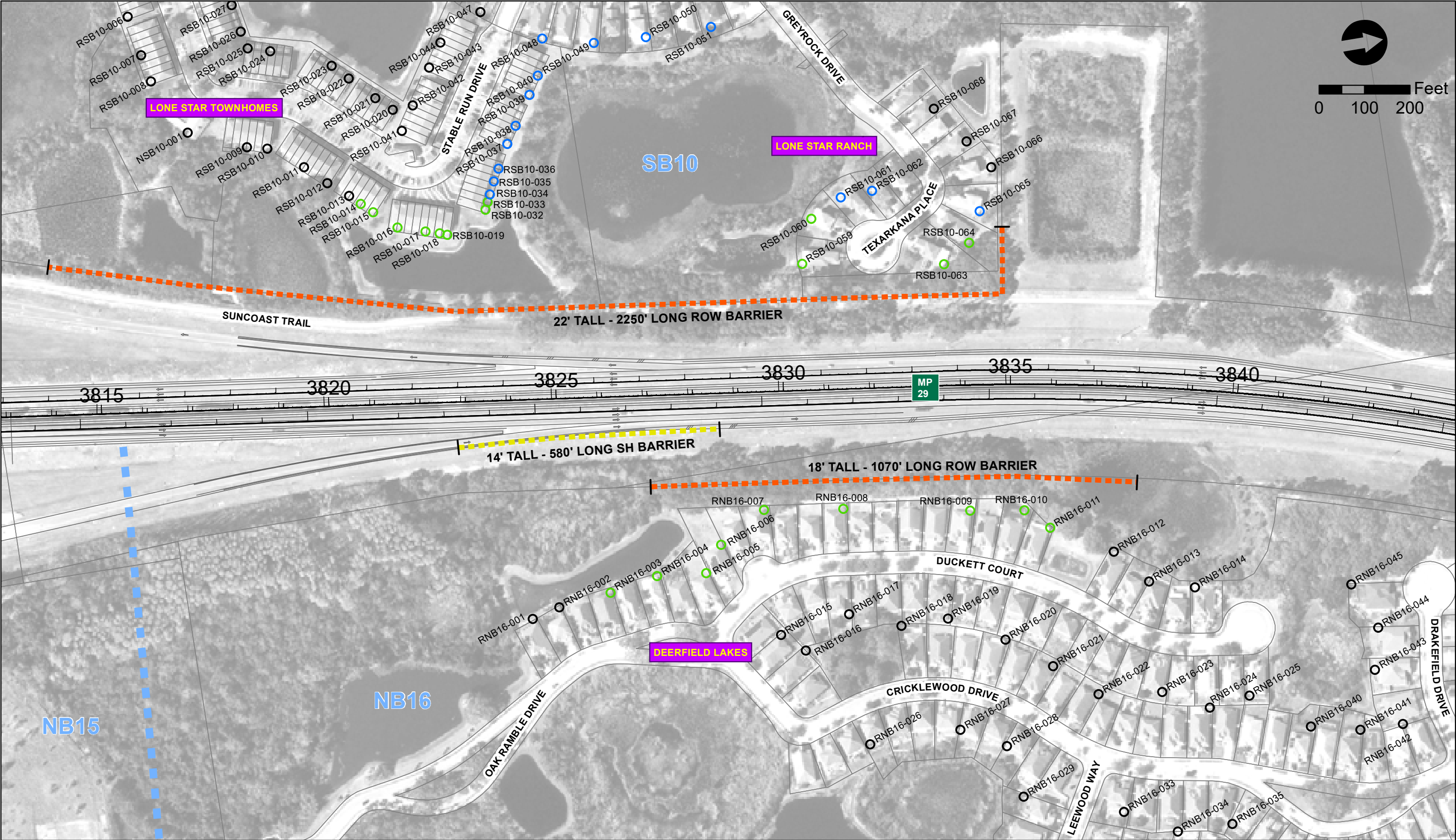
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		Jeff Jones, GISP Ardurra 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 P 407.971.8850	ROAD NO. COUNTY FINANCIAL PROJECT ID	589 HILLSBOROUGH, PASCO 448068-1	24		



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		Jeff Jones, GISP Ardurra 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		27
			589	HILLSBOROUGH, PASCO	448068-1		

Appendix E

Special Land Use

Equivalent Residence Worksheets

SLU NAME		NB02-01	
SLU DESCRIPTION		Magnolia Manor Assited Living Outdoor Seating	
NAC		C	
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.53
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,163
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (6 Outdoor Chairs * 6 Hours/Chair/Day (estimated) = 36 person hours per day)	36
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	13,104
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	0.59
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	0.59

SLU NAME		NB03-01	
SLU DESCRIPTION		Lake Carlton Arms Tennis Courts	
NAC		C	
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (2 Tennis Courts * 6 players/court * 6 hrs/day = 72 person hours)	72
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	26,208
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	1.16
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	4
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	0.29

SLU NAME		NB03-02	
SLU DESCRIPTION		Lake Carlton Arms Basketball Courts	
NAC		C	
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (2 Basketball Courts * 15 players/court * 6 hrs/day = 180 person hours)	180
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	65,520
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	2.91
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	2
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.46

SLU NAME	NB03-03		
SLU DESCRIPTION	Lake Carlton Arms Pool		
NAC	C		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (Approximate Pool Capacity 18 * 12 hours/day * 50% average useage rate = 108 person hours)	108
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	39,312
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	1.75
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.75

SLU NAME		NB04-01	
SLU DESCRIPTION		Cheval West Golf Course	
NAC		C	
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (5 holes *	680
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	247,520
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	10.99
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	12
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	0.92

SLU NAME		NB05-01	
SLU DESCRIPTION		Steinbrenner High School	
NAC		C	
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU	-
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	-
	c	Number of days per week the SLU is operational	-
	d	Number of weeks per year the SLU is operational	-
	e	Person-Hours per Year Available for Use at the SLU	543,870
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	24.16
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	161
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	0.15

NB05-02 - Steinbrenner High School Use Details

Regular School attendance outdoor use calculation

Category	Calculation	Students Enrolled at School	Hours/Day	Days/Week	Weeks/Year	Person Hours/Year
Regular School Attendance	# of students * hr/day * days/week * weeks/year	2500	1	5	36	450,000

Afterschool sports outdoor use calculation

Sport	Team/Level	Roster	Practice Hours per Player	Home Game Hours per Player	Total Hours per Player/Week	Total Person Hours	Column1
Football	Varsity	65	650	195	845	8,450	=
Football	JV	40	400	120	520	5,200	
Football Total					0	-	
Golf	Boys	12	120	36	156	1,560	
Golf	Girls	12	120	36	156	1,560	
Golf Total					0	-	
Cross Country	Boys	25	250	75	325	3,250	
Cross Country	Girls	25	250	75	325	3,250	
Cross Country Total					0	-	
Soccer	Boys	25	250	75	325	3,250	
Soccer	Girls	25	250	75	325	3,250	
Soccer Total					0	-	
Baseball		25	250	75	325	3,250	
Softball		15	150	45	195	1,950	
Flag Football	Varsity	15	150	45	195	1,950	
Flag Football	JV	15	150	45	195	1,950	
Flag Football Total					0	-	
Track & Field	Boys	40	400	120	520	5,200	
Track & Field	Girls	40	400	120	520	5,200	
Track & Field Total					0	-	
Tennis	Boys	15	150	45	195	1,950	
Tennis	Girls	15	150	45	195	1,950	
Tennis Total					0	-	
Lacrosse	Boys	15	150	45	195	1,950	
Lacrosse	Girls	15	150	45	195	1,950	
Lacrosse Total						-	
Grand Total (Person Hours/Year)						57,070	

Sports team game attendance outdoor

Sport	Estimated Attendance	Notes
Football (Varsity + JV)	5,900	
Golf	500	
Cross Country	500	
Soccer	3,000	
Baseball	1,500	
Softball	1,000	
Flag Football	1,000	
Track & Field	2,000	
Tennis	500	
Lacrosse	2,500	
Grand Total Attendance	18,400	
Spectator Person Hours/Year	36,800	Assuming 2 hours per person per event

Total Yearly Outdoor Use

Activity	Yearly person hours
Regular school day use	450,000
Sports practices	57,070
Game attendance	36,800
Total Person hours	543,870

SLU NAME	NB08-01		
SLU DESCRIPTION	The Iris at Northpointe Outdoor Pool		
NAC	C		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU (Aproximate Pool Capacity 18 * 12 hours/day * 50% average useage rate = 108 person hours) Number of days per week the SLU is operational Number of weeks per year the SLU is operational	108
	b		1
	c		7
	d		52
	e	Person-Hours per Year Available for Use at the SLU	39,312
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	1.75
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.75

SLU NAME	NB09-01		
SLU DESCRIPTION	Residence Inn Outdoor Pool		
NAC	E		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (Approximate Pool Capacity 18 * 12 hours/day * 50% average useage rate = 108 person hours)	108
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	39,312
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	1.75
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.75

SLU NAME	NB09-02		
SLU DESCRIPTION	Hampton Garden Inn Outdoor Pool		
NAC	E		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (Aproximate Pool Capacity 18 * 12 hours/day * 50% average useage rate = 108 person hours)	108
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	39,312
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	1.75
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.75

SLU NAME	NB09-03		
SLU DESCRIPTION	Carrabba's Outdoor Seating		
NAC	E		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (6 tables * 4 people/table * 4 hrs/chair/table = 96 person hours)	96
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	34,944
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	1.55
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	2
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	0.78

SLU NAME	NB09-04		
SLU DESCRIPTION	Bangkok Sushi Outdoor Seating		
NAC	E		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (6 tables * 4 people/table * 4 hrs/chair/table = 96 person hours)	96
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	34,944
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	1.55
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.55

SLU NAME		NB09-05	
SLU DESCRIPTION		San Jose Mexican Restaurant Outdoor Seating	
NAC		E	
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (10 tables * 4 people/table * 4 hrs/chair/table = 160 person hours)	160
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	58,240
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	2.59
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	2.59

SLU NAME		NB09-06	
SLU DESCRIPTION		International Beer Garden Outdoor Seating	
NAC		E	
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (1 tables * 6 people/table * 4 hrs/chair/table = 24 person hours)	24
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	8,736
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	0.39
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	0.39

SLU NAME	NB09-07		
SLU DESCRIPTION	Glory Days Grill Outdoor Seating		
NAC	E		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (10 tables * 4 people/table * 4 hrs/chair/table = 160 person hours)	160
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	58,240
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	2.59
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	2.59

SLU NAME		SB04-01	
SLU DESCRIPTION		Cheval West Village Playground	
NAC		C	
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.53
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,163
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU	50
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	18,200
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	0.82
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	0.82

SLU NAME	SB05-01		
SLU DESCRIPTION	Tarramor Pool		
NAC	C		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (Approximate Pool Capacity 18 * 12 hours/day * 50% average useage rate = 108 person hours)	108
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	39,312
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	1.75
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.75

SLU NAME	SB05-02		
SLU DESCRIPTION	Tuscano at Suncoast Crossings Outdoor Pool		
NAC	C		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (Approximate Pool Capacity 18 * 12 hours/day * 50% average useage rate = 108 person hours)	108
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	39,312
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	1.75
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.75

SLU NAME		SB06-01	
SLU DESCRIPTION		Discovery Pointe Outdoor Play Area	
NAC		C	
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU	400
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	5
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	104,000
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	4.62
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	10
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	0.46

SLU NAME	SB06-02		
SLU DESCRIPTION	Chili's Outdoor Seating		
NAC	C		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (2 benches * 3 people/bench * 2 hrs/chair/table = 12 person hours)	12
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	4,368
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	0.19
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	0.19

SLU NAME	SB06-03		
SLU DESCRIPTION	Starbucks Outdoor Seating		
NAC	C		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (11 tables * 2 people/table * 6 hrs/chair/table = 132 person hours)	132
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	48,048
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	2.13
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	2.13

SLU NAME		SB07-01	
SLU DESCRIPTION		South Branch Preserve Playground	
NAC		C	
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU	60
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	2
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	43,680
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	1.94
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	2
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	0.97

SLU NAME	SB07-02		
SLU DESCRIPTION	South Branch Preserve Outdoor Pool Area		
NAC	C		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (Approximate Pool Area Capacity 200 * 10 hours/day * 40% average useage rate = 800 person hours)	800
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	291,200
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	12.93
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	3
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	4.31

SLU NAME	SB10-01		
SLU DESCRIPTION	Lone Star Townhomes Outdoor Pool		
NAC	C		
SLU Equivalent Residence (ER) Identification			
Step	Sub-Step	Description	Value
Average Single-Family Residence in Florida - Person Hours per Year			
A1	a	Average number of people in a single-family residence in Florida (US CENSUS, 2017-2021 data)	2.57
	b	Hours a single-family residence is available for use (24 hours x 365 days)	8,760
	c	Residential Person-Hours per Year Available for Use	22,513
SLU Person Hours per Year			
A2	a	Average number of users per day <i>in the area evaluated</i> at the SLU (Aproximate Pool Capacity 18 * 12 hours/day * 50% average useage rate = 108 person hours)	108
	b	Approximate daily hourly usage by each person <i>in the area evaluated</i> at the SLU	1
	c	Number of days per week the SLU is operational	7
	d	Number of weeks per year the SLU is operational	52
	e	Person-Hours per Year Available for Use at the SLU	39,312
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	1.75
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	1
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.75

Appendix F

Validation Field Data Sheets

Site/Run#:

Noise Measurement Data Sheet

Date: 12/30/2024

Measurement Taken By: Jeff Jones

Project: 448068-1 Widen Suncoast PD&E from Van Dyke to SR 52

Site Id: 001

Weather Conditions:

Clear: Partly Cloudy: ☒ Cloudy: Other:

Temperature:

Start: 70° End: 71° (°F)

Wind Direction:

Start: E End: SE

Wind Speed (Start):

Min: - Max: 3 Average: - (mph)

Wind Speed (End):

Min: - Max: 4 Average: - (mph)

Humidity:

Start: 97% End: 97%

Equipment Data:

Sound Level Meter:

Larson Davis SoundTrax LXT

Serial Number:

003153

Date of Last Traceable Calibration:

02-12-25

Calibration:

Start: -0.05 End: 0.01

Battery:

Start: 94% End: 87%

Weighting Scale:

A

Response:

Slow

Calibrator:

Larson Davis CAL200

Serial Number:

9542

Notes:

Major Noise Sources:

Traffic noise from Suncoast

Background Noise Sources:

N/A

Other Notes/Observations:

Location:

Site/Run#:

Noise Measurement Data Sheet

Date: 12/30/2024

Measurement Taken By: Jeff Jones

Project: 448068-1 Widen Suncoast PD&E from Van Dyke to SR 52

Site Id: 002

Weather Conditions:

Clear: _____ Partly Cloudy: ☒ Cloudy: _____ Other: _____

Temperature: Start: 72° End: 73° (°F)

Wind Direction: Start: W End: _____

Wind Speed (Start): Min: - Max: 5 Average: - (mph)

Wind Speed (End): Min: - Max: 3 Average: - (mph)

Humidity: Start: 97% End: 97%

Equipment Data:

Sound Level Meter: Larson Davis SoundTrax LXT Serial Number: 000 3153

Date of Last Traceable Calibration: 02-12-25

Calibration: Start: 0.04 End: -0.04

Battery: Start: 91% End: 84%

Weighting Scale: A Response: Slow

Calibrator: Larson Davis CAL200 Serial Number: 9542

Notes:

Major Noise Sources: Traffic noise from Suncoast

Background Noise Sources: N/A

Other Notes/Observations: _____

Location: _____

Site/Run#:

Noise Measurement Data Sheet

Date: 12/30/2024

Measurement Taken By: Jeff Jones

Project: 448068-1 Widen Suncoast PD&E from Van Dyke to SR 52

Site Id: 003

Weather Conditions:

Clear: ☒ Partly Cloudy: ☐ Cloudy: ☐ Other: ☐

Temperature:

Start: 76° End: 77° (°F)

Wind Direction:

Start: W End:

Wind Speed (Start):

Min: - Max: 5 Average: - (mph)

Wind Speed (End):

Min: - Max: 4 Average: - (mph)

Humidity:

Start: 98% End: 98%

Equipment Data:

Sound Level Meter:

Larson Davis SoundTrax LXT

Serial Number:

0003153

Date of Last Traceable Calibration:

02-12-25

Calibration:

Start: .007 End: -.09

Battery:

Start: 82% End: 75%

Weighting Scale:

A

Response:

Slow

Calibrator:

Larson Davis CAL200

Serial Number:

9542

Notes:

Major Noise Sources:

Traffic noise from Suncoast

Background Noise Sources:

N/A

Other Notes/Observations:

Location: