

DESIGN NOISE STUDY REPORT

Florida's Turnpike (SR 91)

From Glades Road to L-38 Canal

Palm Beach County, Florida

Financial Project ID Number: 417132-1-32-01



Prepared For:

FLORIDA'S TURNPIKE ENTERPRISE

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Executive Summary

The Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise (FTE), is undertaking a noise study in support of the proposed widening of Florida's Turnpike (SR 91) from north of Glades Road (SR 808, Milepost 76.8) to north of the L-38 Canal (Milepost 80.2) in Palm Beach County. This project is part of FTE's ongoing efforts to enhance mobility, improve safety, and accommodate future traffic demand along this critical corridor.

The proposed improvements include widening the existing six-lane divided expressway to a ten-lane divided typical section, consisting of four general-purpose lanes and one auxiliary lane in each direction. Additional project elements include replacement of the Yamato Road bridges, widening of the Clint Moore Road bridge, replacement of the L-38 Canal bridge, milling and resurfacing, installation of noise barriers, roadway lighting, and updated signing and pavement markings.

This noise study has been conducted in accordance with FDOT's Project Development and Environment (PD&E) Manual and applicable federal regulations. It evaluates potential traffic noise impacts to nearby noise-sensitive land uses and assesses the feasibility and reasonableness of noise abatement measures.

For the year 2053 Build condition, noise levels were analyzed at 763 Noise Abatement Criteria (NAC) B representing 2,680 residences and 53 NAC C special land use (SLU) receptor locations that equate to 67.33 equivalent residences (ERs). Noise levels at 1,221 residences and 42.22 SLU ERs are predicted to approach or exceed the NAC for the year 2053 Build Alternative and are therefore considered impacted.

Analyses were performed for all the impacted locations to determine if noise abatement was potentially feasible and reasonable under FDOT policy. The noise barrier analysis performed to date and summarized in Table 4-1 below, indicates that noise barriers could potentially provide reasonable and feasible noise abatement for 620.36 impacted ERs, as well as provide a 5 dB(A) noise reduction benefit to 226.50 non-impacted ERs. The results of the noise barrier evaluations where noise abatement was determined to be potentially feasible and reasonable are summarized by noise sensitive area in Table 4-1.

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1.0 INTRODUCTION

The Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise (FTE), is undertaking a noise study in support of the proposed widening of Florida's Turnpike (SR 91) from north of Glades Road (SR 808, Milepost 76.8) to north of the L-38 Canal (Milepost 80.2) in Palm Beach County. This project is part of FTE's ongoing efforts to enhance mobility, improve safety, and accommodate future traffic demand along this critical corridor.

The proposed improvements include widening the existing six-lane divided expressway to a ten-lane divided typical section, consisting of four general-purpose lanes and one auxiliary lane in each direction. Additional project elements include replacement of the Yamato Road bridges, widening of the Clint Moore Road bridge, replacement of the L-38 Canal bridge, milling and resurfacing, installation of noise barriers, roadway lighting, and updated signing and pavement markings.

This noise study has been conducted in accordance with FDOT's Project Development and Environment (PD&E) Manual and applicable federal regulations. It evaluates potential traffic noise impacts to nearby noise-sensitive land uses and assesses the feasibility and reasonableness of noise abatement measures.

Figure 1 - Project Location Map



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 *Project Development and Environment (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.

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 2053 Build Condition. Level of Service (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 Manual². 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.

Noise abatement must also be considered if a transportation project results in a substantial increase in traffic noise. According to the FDOT PD&E Manual², 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 the proposed project follows the existing alignment of Florida's Turnpike, it does not result in a substantial increase in traffic noise as defined by FDOT guidance. Predicted traffic noise levels, NAC classification, and impact criteria for all SLU receptors are documented in Appendix B-2.

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.

(Based on Table 1 of 23 CFR Part 772)

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	---60---	Normal Speech at 3 ft.
Heavy Traffic at 300 ft.	---50---	Large Business Office
Quiet Urban Daytime	---40---	Dishwasher Next Room
Quiet Urban Nighttime	---30---	Theater, Large Conference Room (Background)
Quiet Suburban Nighttime	---20---	Library
Quiet Rural Nighttime	---10---	Bedroom at Night, Concert Hall (Background)
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 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 Manual² as follows:

- **Residential receptors:** Placed at 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.
- **Receptor Heights:** If receptors are on multiple stories, ground floor receptors are assumed to be 5 feet above ground elevation. Higher floors of multi-story structures (second, third, etc.) are assumed to be in 10-foot increments above the ground floor receptor (15 feet above ground elevation, 25 feet, etc.)

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

3.1.1 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.
- **Next Three-Digit Number:** Separated by a dash, this denotes the specific receptor (e.g., RNB01-013 is the 13th residential receptor in the 1st CNE on the northbound side).
- **Final Letter:** If shown, indicates multi-story receptors. Scaled from lowest floor to highest floor, using "A" through "H" (e.g., RNB01-013H is on the eight floor).

Predicted noise levels for the 2053 Build condition are provided in Appendix B-1 (residential receptors) and Appendix B-2 (SLU receptors). Receptor locations are shown in Appendix C.

3.2 Noise Abatement Analysis

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, Right of Way (ROW) constraints, maintenance, drainage, and utility factors.

Reasonableness Criteria:

- Must meet FDOT's Noise Reduction Design Goal (NRDG), by 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.

For CNEs with impacted receptors, shoulder noise barriers were evaluated at heights between 8 to 14 feet (in 2-foot increments) placed outside the clear recovery zone but within the ROW. This approach identifies the maximum number of impacted receptors that could achieve at least a 5 dB(A) reduction in traffic-related noise. Barrier placement is often constrained by conditions such as overhead utilities, utility conflicts, or MSE walls.

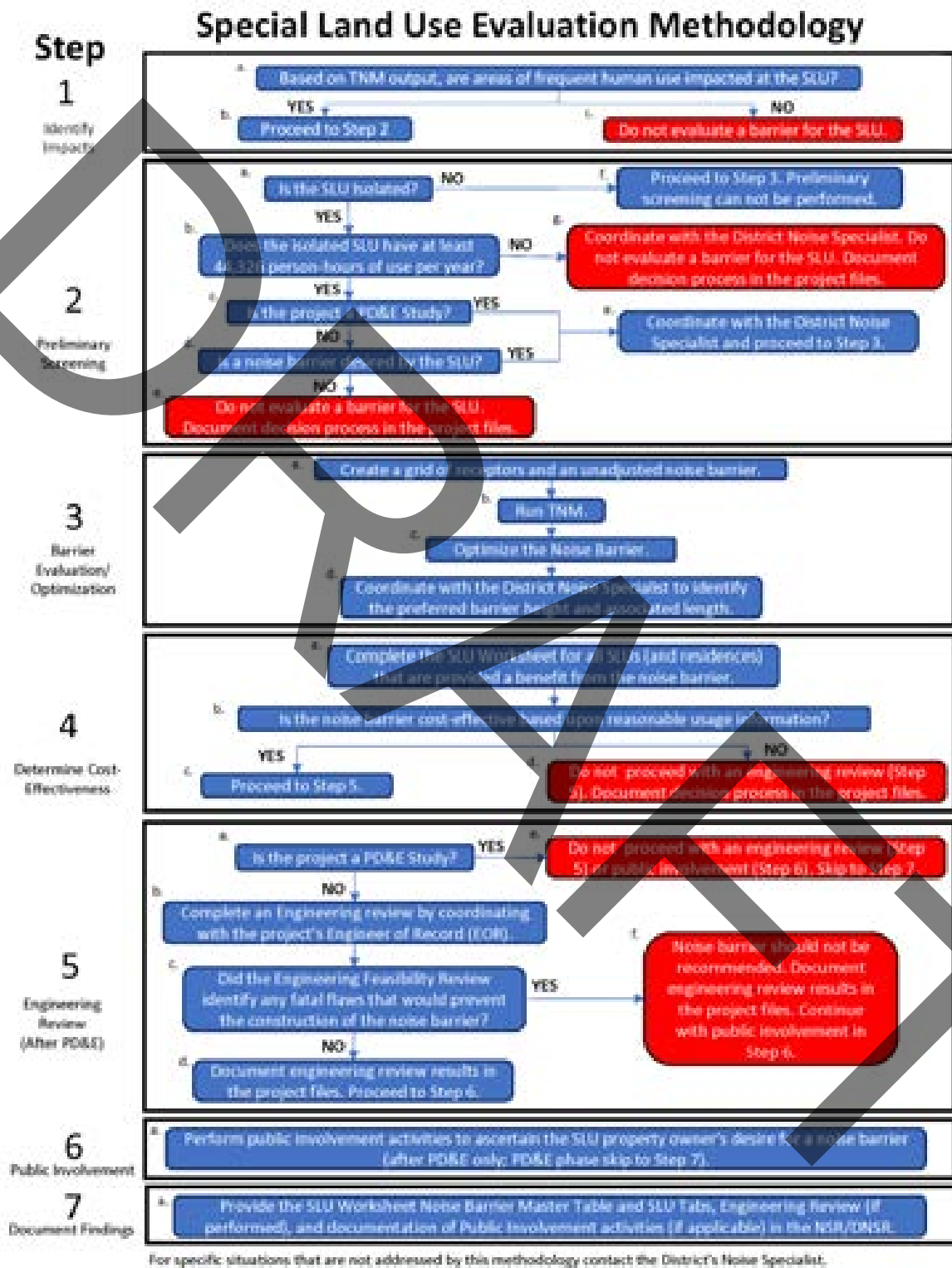
In some areas, barriers may also benefit receptors that do not approach the NAC. Because abatement is not required for these receptors, barrier height or length is not increased solely for their benefit. However, when these receptors receive a benefit due to their proximity to an impacted receptor, they are included in the cost reasonableness evaluation, which is calculated on a cost-per-benefited-receptor basis. This methodology aligns with FHWA policy and guidance.

3.3 Special Use Site Analysis

The Florida Department of Transportation's 2024 "Methodology to Evaluate Highway Traffic Noise at Special Land Uses" 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 noise sensitive sites (SLUs) in FHWA's NAC Activity Categories A, C, D, and E, followed by optional preliminary screening to reduce unnecessary analysis of isolated, low-usage SLUs that historically wouldn't qualify for noise abatement.

A change in the 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 equivalent residence, engineering feasibility review (during design phase), public involvement, and documentation of findings. The SLU ER calculation worksheets are provided in Appendix D.

Figure 3 – SLU Methodology Flowchart



3.4 Constructability Issues

In accordance with FDOT's Project Development and Environment (PD&E) Manual, physical and constructability constraints must be considered when identifying feasible noise barrier alternatives. These constraints include right-of-way limitations, utility conflicts, and structural conditions that may preclude the installation of certain barrier types or heights. Consistent with this guidance, only 8-foot shoulder-mounted noise barriers were evaluated in most segments of the noise analysis for this corridor. The proximity of existing drainage canals adjacent to the right-of-way restricts available space for standard post-and-panel barrier systems at the ROW. In many locations, mechanically stabilized earth (MSE) walls abut the shoulder and further constrain foundation design and feasible barrier height. Additional limitations arise from utility conflicts (e.g., Florida Gas Transmission) and required maintenance access clearances, which collectively preclude taller barrier installations. While 14-foot shoulder barriers were considered for the southbound segment between Glades Road and Yamato Road, where sufficient right-of-way exists, this condition does not extend to other areas of the corridor. On the northbound side, a few isolated segments not constructed on MSE walls do allow for 14-foot shoulder barriers; however, where MSE walls are present, the same 8-foot height restriction applies. These constraints informed the barrier alternatives evaluated in the noise analysis and reflect the practical limits of constructability within the project footprint.

At the request of the public, noise barriers were considered at locations proximate to canals and overpass bridges that are near residential areas.

3.5 Common Noise Environments on Northbound Side of Florida's Turnpike

3.5.1 Lakewood Midrise Condominiums (CNE NB01)

Lakewood Midrise Condominiums are located on the northbound side of Florida's Turnpike between Glades Road and Yamato Road. The area is shown on Sheet 2 of the project aerials in Appendix C.

The noise model includes 128 NAC B receptor points (258 residences) representing condo balconies and patios at Lakewood Midrise Condominiums and one NAC C receptor representing 1.75 ERs at the community pool. Noise levels at 182 NAC B residences are predicted to approach or exceed the applicable NAC under the 2053 build condition. Predicted noise levels are shown in Appendix B-1.

Noise barriers at the shoulder are constrained in this area by the presence of a Florida Gas Transmission (FGT) gas line in the northbound right-of-way, restricting their southern extent to approximately Station 3542+00. In addition, the existing drainage canal adjacent to the right-of-way restricts available space for standard post-and-panel barrier systems at the ROW. Because of these restrictions, noise abatement is not feasible for the Lakewood Midrise Condominiums.

3.5.2 Boca West and Boca West Golf Course (CNE NB01)

Boca West and the Boca West Golf Course are located on the northbound side of Florida's Turnpike between Glades Road and Yamato Road. The area is shown on Sheets 1-4 of the project aerials in Appendix C.

The noise model includes 47 NAC B receptor points (100 residences) and 22 NAC C receptor points (28.21 ERs), representing greens and tee boxes at the Boca West Golf Course and the pool at Boca West. Noise levels at 68.68 ERs, including 46 NAC B residences and 22.68 SLU ERs, are predicted to approach or exceed the applicable NAC under the 2053 build condition. Predicted noise levels are shown in Appendix B-1 and B-2, and SLU calculations are provided in Appendix D.

Noise barriers were evaluated to abate traffic-related noise for impacted receptors. Based on this analysis, a potential noise barrier located along the northbound shoulder could achieve a 7 dB(A) reduction at one or more receptors and at least a 5 dB(A) reduction at two or more impacted receptors. The southern limit of this barrier is constrained by the presence of a Florida Gas Transmission (FGT) gas line in the northbound right-of-way, restricting its extent to approximately Station 3542+00. The barrier configuration meets FDOT's cost reasonableness threshold of \$64,000 per benefited receptor and is considered reasonable in cost. A noise barrier is thus a potentially feasible and reasonable method to abate traffic-related noise for CNE NB01. Table 3-1 summarizes the reasonable and feasible noise barrier configuration evaluated for this segment.

Table 3-1 – Boca West and Boca West Golf Course (CNE NB01)

Height (feet)	Length ¹ (feet)	Location	No. of Impacted ERs	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)			
14	2120	SH ⁶	68.68	2.26	16.00	31.82	50.08	16.00	66.08	7.2	18.60	\$2,410,800	\$36,483
14	2185	SH 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 SH - Shoulder noise barrier on Florida's Turnpike

3.5.3 Woodfield Country Club Residences and Golf Course (CNE NB02)

Woodfield Country Club residences and Golf Course are located on the northbound side of Florida's Turnpike between Yamato Road and Clint Moore Road. The area is shown on Sheets 4-5 of the project aerials in Appendix C. The noise model includes 55 NAC B receptor points (379 residences) and nine NAC C receptor points (12.32 ERs), representing greens and tee boxes at the Woodfield Golf Course. Noise levels at 89.04 ERs, including 84 NAC B residences and 5.04 SLU ERs, are predicted to approach or exceed the applicable NAC under the 2053 build condition. Predicted noise levels are shown in Appendix B-1 and B-2 and SLU calculations in Appendix D.

Noise barriers were evaluated for impacted receptors. Based on this analysis, a potential noise barrier located along the northbound shoulder could achieve a 7 dB(A) reduction at one or more receptors and at least a 5 dB(A) reduction at two or more impacted receptors. Barrier height is limited to 8 feet where MSE walls are present at the shoulder, while in adjacent areas without MSE walls, a 14-foot shoulder-mounted barrier is feasible. The barrier configuration meets FDOT's cost reasonableness threshold of \$64,000 per benefited receptor and is considered reasonable in cost. A noise barrier is thus a potentially feasible and reasonable method to abate traffic-related noise for CNE NB02.

Some of the residences adjoining Florida's Turnpike in the northern portion of the community could not receive a full 5 dB(A) benefit from the noise barrier system because of the structural limitation of a maximum 8-foot barrier height on a structure. Impacted receptors proximate to Yamato Road and Clint Moore Road could not be benefited by noise abatement on Florida's Turnpike because of traffic noise generated by those local roads. Table 3-2 summarizes the reasonable and feasible noise barrier configuration evaluated for this segment.

Table 3-2 – Woodfield Country Club Residences and Golf Course (CNE NB02)

Height (feet)	Length ¹ (feet)	Location	No. of Impacted ERs	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)			
14	430	SH ⁶	89.04	23.26	7.00	2.52	32.78	10.00	42.78	6.2	56.26	\$2,608,000	\$60,963
14	2560	SH ⁶											
14	750	SH ⁶											
8	1605	ST 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 SH - Shoulder noise barrier on Florida's Turnpike

7 ST - Structure-mounted noise barrier on Florida's Turnpike

3.5.4 St Andrews Country Club (CNE NB03)

St Andrews Country Club is located on the northbound side of Florida's Turnpike between Clint Moore Road and the L-38 Canal. The area is shown on Sheets 5-7 of the project aerials in Appendix C.

The noise model includes 19 NAC B receptor points (152 residences) and 18 NAC C receptor points (19.80 ERs), representing greens and tee boxes at St Andrews Country Club. Noise levels at 74 ERs, including 63 NAC B residences and 11.00 SLU ERs, are predicted to approach or exceed the applicable NAC under the 2053 build condition. Predicted noise levels are shown in Appendix B-1 and B-2, and SLU calculations are provided in Appendix D.

Noise barriers were evaluated for impacted receptors. Based on this analysis, a potential noise barrier located along the northbound shoulder could achieve a 7 dB(A) reduction at one or more receptors and at least a 5 dB(A) reduction at two or more impacted receptors. This segment includes both MSE wall

and non-MSE wall conditions. Barrier height is limited to 8 feet where MSE walls are present at the shoulder, while a 14-foot shoulder-mounted barrier is feasible in adjacent areas without MSE walls. The barrier configuration meets FDOT's cost reasonableness threshold of \$64,000 per benefited receptor and is therefore considered reasonable in cost. A noise barrier is thus a potentially feasible and reasonable method to abate traffic-related noise for CNE NB03.

Some of the residences adjoining Florida's Turnpike in the northern and southern portions of the community could not receive a full 5 dB(A) benefit from the noise barrier system because of the structural limitation of a maximum 8-foot barrier height on a structure. Table 3-3 summarizes the reasonable and feasible noise barrier configuration evaluated for this segment.

Table 3-3 – St Andrews Country Club (CNE NB03)

Height (feet)	Length ¹ (feet)	Location	No. of Impacted ERs	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)			
8	1595	ST ⁷	74.00	0	22.00	17.5	39.50	11.00	50.50	7.5	35.50	\$2,687,200	\$53,212
14	640	SH ⁶											
14	2025	SH ⁶											
14	965	SH ⁶											
8	450	ST 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 SH - Shoulder noise barrier on Florida's Turnpike

⁷ ST - Structure-mounted noise barrier on Florida's Turnpike

3.5.5 Addison Reserve (CNE NB04)

Addison Reserve is located on the northbound side of Florida's Turnpike north of the L-38 Canal. The area is shown on Sheets 7-8 of the project aerials in Appendix C.

The noise model includes 39 NAC B receptor points (78 residences). Noise levels at 34 NAC B residences are predicted to approach or exceed the applicable Noise Abatement Criteria (NAC) under the 2053 build condition. Predicted noise levels are shown in Appendix B-1.

Noise barriers were evaluated to abate traffic-related noise for impacted receptors. Based on this analysis, a potential noise barrier located along the northbound shoulder could achieve a 7 dB(A) reduction at one or more receptors and at least a 5 dB(A) reduction at two or more impacted receptors. The barrier configuration meets FDOT's cost reasonableness threshold of \$64,000 per benefited receptor and is therefore considered reasonable in cost. A noise barrier is thus a potentially feasible and reasonable method to abate traffic-related noise for CNE NB04. Table 3-4 summarizes the reasonable and feasible noise barrier configuration evaluated for this segment.

Table 3-4 – Addison Reserve (CNE NB04)

Height (feet)	Length ¹ (feet)	Location	No. of Impacted ERs	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)			
14	1245	SH ⁶	34	2	10	22	34	34	68	7.2	0	\$1,419,600	\$20,876
14	1290	SH 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 SH - Shoulder noise barrier on Florida's Turnpike

3.6 Common Noise Environments on Southbound Side of Florida's Turnpike

3.6.1 Lotus Palm Boca Raton (CNE SB01)

Lotus Palm Boca Raton is located on the southbound side of Florida's Turnpike between Glades Road and Yamato Road. The area is shown on Sheets 1-2 of the project aerials in Appendix C. The perimeter of the Lotus Palm Boca Raton neighborhood facing the turnpike features a 4–6-foot earthen berm topped with a concrete privacy wall that is approximately 8 feet in height, which reduces noise levels within the neighborhood.

This residential development was not included in the noise analysis because it was constructed after the Date of Public Knowledge (DPK) established by the Sawgrass to Atlantic PD&E Study (FPID 415927-1), finalized in 2010. Per FDOT noise policy, only noise-sensitive sites that were built or received a building permit prior to the DPK are eligible for consideration in subsequent noise analyses. As Lotus Palm was redeveloped from a golf course into a residential community starting around 2023, after the 2010 DPK, no receptor points were modeled for this area.

3.6.2 Brentwood and Century Village (CNE SB01)

Brentwood and Century Village are located on the southbound side of Florida's Turnpike between Glades Road and Yamato Road. The area is shown on Sheets 2-4 of the project aerials in Appendix C. The noise model includes 353 NAC B receptor points (1,158 residences) and two NAC C receptor points (3.50 ERs) representing outdoor pools. Noise levels at 599 NAC B residences are predicted to approach or exceed the NAC under the 2053 build condition. Predicted noise levels are shown in Appendix B-1 and B-2, and SLU calculations are provided in Appendix D.

Noise barriers were evaluated to abate traffic-related noise for impacted receptors. ROW noise barriers were determined to be not constructable in this area due to the presence of drainage canals along the ROW and were not analyzed for this area. Based on this analysis, a potential noise barrier located along the southbound shoulder could achieve a 7 dB(A) reduction at one or more receptors and at least a 5 dB(A) reduction at two or more impacted receptors. The barrier configuration meets FDOT's cost reasonableness threshold of \$64,000 per benefited receptor and is therefore considered reasonable in

cost. A noise barrier is thus a potentially feasible and reasonable method to abate traffic-related noise for Brentwood and Century Village.

Some impacted receptors could not receive a 5 dB(A) benefit with a noise barrier along Florida's Turnpike because of a combination of possible factors, including being on upper floors (and therefore harder to shield with a barrier), distance from the noise barrier/roadway, and proximity to Yamato Road (for some receptors on the northern edge of the community). Table 3-5 summarizes the reasonable and feasible noise barrier configuration that was evaluated for SB01.

Table 3-5 – Brentwood and Century Village (CNE SB01)

Height (feet)	Length ¹ (feet)	Location	No. of Impacted ERs	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)			
14	5640	SH ⁶	599	192	138	134	464	155.50	619.50	6.4	135	\$3,158,400	\$5,098

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 SH - Shoulder noise barrier on Florida's Turnpike

3.6.3 Whisper Walk, Villa San Remo, and Long Lake Estates (CNE SB02)

Whisper Walk, Villa San Remo, and Long Lake Estates are located on the southbound side of Florida's Turnpike between Yamato Road and Clint Moore Road. The area is shown on Sheets 4-5 of the project aerials in Appendix C.

The noise model includes 45 NAC B receptor points (412 residences) and two NAC C receptor points (3.50 ERs), representing outdoor use areas at Whisper Walk neighborhood pools. Noise levels at 159.50ERs, including 156 NAC B residences and 3.50 SLU ERs, are predicted to approach or exceed the NAC under the 2053 build condition. Predicted noise levels are shown in Appendix B-1 and B-2, and SLU calculations are provided in Appendix D.

Noise barriers were evaluated for impacted receptors. ROW noise barriers were determined to be not constructable in this area due to the presence of drainage canals along the ROW and were not analyzed for this area. Shoulder noise barriers were limited to a maximum 8-feet high in this location because of structural constraints by being atop an MSE wall. Based on this analysis, an 8-foot shoulder-mounted barrier could not achieve a 7 dB(A) reduction at one or more receptors or a 5 dB(A) reduction at two or more impacted receptors. Acoustic limitations were driven by several factors: the presence of a ~3-foot safety barrier in the proposed design at the shoulder already shields tire-pavement noise, thereby reducing the incremental benefit of a taller noise barrier; the shoulder's lower base elevation relative to travel lanes diminished barrier performance; and the added distance to receivers across canals, combined with the wide corridor, further reduced attenuation. As a result, predicted insertion loss was ≤2.9 dB(A) at all receptors, with most below 2 dB(A), and no receptors met the 7 dB(A) design goal or

were “benefited” by a 5 dB(A) reduction. Consequently, a noise barrier in this location was determined to not meet criteria for feasibility under FDOT policy. A noise barrier is therefore not considered a feasible or reasonable method to abate traffic-related noise for CNE SB02. Table 3-6 summarizes the noise barrier configuration evaluated for this segment.

Table 3-6 – Whisper Walk, Villa San Remo, and Long Lake Estates (CNE SB02)

Height (feet)	Length ¹ (feet)	Location	No. of Impacted ERs	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)			
8	5100	SH ⁶	159.50	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a 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 SH - Shoulder noise barrier on Florida’s Turnpike

⁷ 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.

3.6.4 Horseshoe Acres (CNE SB03)

Horseshoe Acres is located on the southbound side of Florida’s Turnpike north of Clint Moore Road. The area is shown on Sheets 5-6 of the project aerials in Appendix C. The noise model includes 10 NAC B receptor points (11 residences). Noise levels at three NAC B residences are expected to approach or exceed the NAC for the Build condition in the design year (2053). The predicted noise levels are shown in Appendix B-1.

Noise barriers were evaluated to abate traffic-related noise for impacted receptors. ROW noise barriers were determined to be not constructable in this area due to the presence of drainage canals along the ROW and were not analyzed for this area. Shoulder noise barriers were limited to a maximum 8-feet high in this location because of structural constraints by being atop an MSE wall. Based on this analysis, an 8-foot shoulder-mounted barrier could not achieve a 7 dB(A) reduction at one or more receptors or a 5 dB(A) reduction at two or more impacted receptors. Acoustic limitations were driven by several factors: the presence of a ~3-foot safety barrier in the proposed design at the shoulder already shields tire-pavement noise, thereby reducing the incremental benefit of a taller noise barrier at the shoulder; the shoulder’s lower base elevation relative to travel lanes diminished barrier performance; and the added distance to receivers across canals—combined with the wide corridor—further reduced attenuation. As a result, predicted insertion loss was ≤2.6 dB(A) at all receptors, with most below 1 dB(A), and no receptors met the 7 dB(A) design goal or were “benefited” by a 5dB(A) reduction. Consequently, a noise barrier in this location was determined to not meet criteria for feasibility under FDOT policy. A noise barrier is therefore not considered a feasible or reasonable method to abate traffic-related noise for Horseshoe Acres within CNE SB03. Table 3-7 summarizes the noise barrier configuration that was evaluated for SB03.

Table 3-7 – Horseshoe Acres (CNE SB03)

Height (feet)	Length ¹ (feet)	Location	No. of Impacted Residences	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Residences 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)			
8	3000	SH ⁶	3	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a 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 SH - Shoulder noise barrier on Florida's Turnpike

⁷ 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.

3.6.5 Lotus Boca Raton (CNE SB03)

Lotus Boca Raton is located on the southbound side of Florida's Turnpike south of the L-38 Canal. The area is shown on Sheets 6-7 of the project aerials in Appendix C. The perimeter of the Lotus Boca Raton neighborhood facing the turnpike features an 8–10-foot earthen berm topped with a concrete privacy wall that is approximately 6 feet in height, which reduces noise levels within the neighborhood.

This residential development was not included in the noise analysis because it was constructed after the DPK established by the Sawgrass to Atlantic PD&E Study (FPID 415927-1), finalized in 2010. Per FDOT noise policy, only noise-sensitive sites that were built or received a building permit prior to the DPK are eligible for consideration in subsequent noise analyses. As Lotus Boca Raton was redeveloped from agricultural land into a residential community starting around 2018, after the 2010 DPK, no receptor points were modeled for this area.

3.6.6 The Bridges (CNE SB04)

The Bridges neighborhood is located on the southbound side of Florida's Turnpike within CNE SB04, north of the L-38 Canal. The area is shown on Sheets 7-8 of the project aerials in Appendix C.

In this area, 67 NAC B receptor points, representing 134 residences, were included in the noise model. Noise levels at 54 NAC B residences are expected to approach or exceed the NAC for the Build condition in the design year (2053). The predicted noise levels are shown in Appendix B-1.

Noise barriers were evaluated to abate traffic-related noise for impacted receptors. ROW noise barriers were determined to be not constructable in this area due to the presence of drainage canals along the ROW and were not analyzed for this area. Shoulder noise barriers were limited to a maximum 8-feet high in this location because of structural constraints by being atop an MSE wall and a bridge over the L-38 canal. Based on this analysis, an 8-foot shoulder-mounted barrier (which initially extended over 1,000-feet south of the L-38 canal across the bridge) could not achieve a 7 dB(A) reduction at one or more receptors or a 5 dB(A) reduction at two or more impacted receptors. Acoustic limitations were driven by several factors: the presence of a ~3-foot safety barrier in the proposed design at the shoulder already shields tire-pavement noise, thereby reducing the incremental benefit of a taller noise barrier;

the shoulder's lower base elevation relative to travel lanes diminished barrier performance; and the added distance to receivers across canals—combined with the wide corridor—further reduced attenuation. As a result, predicted insertion loss was ≤ 2.6 dB(A) at all receptors, with most below 1 dB(A), and no receptors met the 7 dB(A) design goal. Consequently, no benefited receptors were identified and a noise barrier in this location was determined to not meet criteria for feasibility under FDOT policy. A noise barrier is therefore not considered a feasible or reasonable method to abate traffic-related noise for CNE SB04. Table 3-8 summarizes the noise barrier configuration that was evaluated for SB04.

Table 3-8 – The Bridges (CNE SB04)

Height (feet)	Length ¹ (feet)	Location	No. of Impacted Residences	Noise Reduction at Impacted Residences			Number of Benefited Residences				Impacted Residences 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)			
8	3600	SH ⁶	159.50	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a ⁷	n/a 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 SH - Shoulder noise barrier on Florida's Turnpike

⁷ 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.

4.0 CONCLUSIONS

For the year 2053 Build condition noise levels were modeled at 763 NAC B (2,680 residences) and 53 NAC C SLU (67.33 ERs) receptors. Noise levels are predicted to approach or exceed the applicable NAC at 1,221 residences and 42.22 SLU ERs and are considered impacted. Noise abatement evaluations were conducted for all impacted locations to determine whether noise barriers would be feasible and reasonable under current FDOT policy. Table 4-1 summarizes areas that did not qualify for noise abatement within the project limits.

Table 4-1 – Noise Barrier Evaluation Summary

Noise Barrier System	Impacted ERs ¹	Height (ft.)	Length (ft.) ²	Barrier Location	Meets the Feasibility Requirement? ³	Meets the NRDG? ⁴	Barrier System Cost-Reasonable? ⁵	Probable Cause For Not Meeting Feasibility and Reasonableness Criteria?
Lotus Palm Boca Raton (SB01)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Neighborhood developed after 2010 DPK, so this area was not analyzed for noise impacts or abatement.
Whisper Walk, Villa San Remo, and Long Lake Estates (CNE SB02)	159.50	8	5100	SH ⁶	No	No	n/a	Analyzed noise barriers could not achieve at least a 7 dB(A) reduction at one or more receptors or a 5 dB(A) reduction at two or more impacted receptors.
Horseshoe Acres (CNE SB03)	3	8	3000	SH ⁶	No	No	n/a	Analyzed noise barriers could not achieve at least a 7 dB(A) reduction at one or more receptors or a 5 dB(A) reduction at two or more impacted receptors.
Lotus Boca Raton (CNE SB03)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Neighborhood developed after 2010 DPK, so this area was not analyzed for noise impacts or abatement.
The Bridges (CNE SB04)	159.50	8	3600	SH ⁶	No	No	n/a	Analyzed noise barriers could not achieve at least a 7 dB(A) reduction at one or more receptors or a 5 dB(A) reduction at two or more impacted receptors.

¹ Includes both NAC B and NAC C receptors with predicted noise levels that approach or exceed the NAC. SLU receptors account for using the Equivalent Residence (ER) methodology.

² 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.

³ Benefit a minimum of two impacted receptors by 5dB(A).

⁴ Meet the FDOT Noise Reduction Design Goal (NRDG) of a 7 dB(A) noise reduction at any receptor.

⁵ FDOT cost guideline of \$64,000 per benefited residence or ER

⁶ SH - Shoulder noise barrier

The analysis indicates that noise barriers could potentially provide feasible and reasonable noise reduction for 620.36 impacted ERs, as well as benefit an additional 226.50 non-impacted ERs by providing a 5 dB(A) or greater reduction in traffic noise. The results of the noise barrier evaluations are summarized by CNE in Table 4-2 which reflects the portions of the proposed noise barriers located within the limits of this project.

Table 4-2 – Proposed 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	Number of Benefited ERs	Noise Barrier System Cost	Cost Per Benefited ER
Boca West and Boca West Golf Course (CNE NB01)	250.68	3542+00	3563+20	14	2120	SH ⁴	66.08	\$2,410,800	\$36,483
		3562+80	3584+40	14	2185	SH ⁴			
Woodfield Country Club Residences and Golf Course (CNE NB02)	89.04	3585+70	3590+00	14	430	SH ⁴	42.78	\$2,608,000	\$60,963
		3589+40	3615+00	14	2560	SH ⁴			
		3614+50	3622+00	14	750	SH ⁴			
		3622+00	3638+00	8	1605	ST ⁵			
St Andrews Country Club (CNE NB03)	74.00	3638+00	3654+00	8	1595	ST ⁵	50.50	\$2,687,200	\$53,212
		3654+00	3660+40	14	640	SH ⁴			
		3659+80	3680+00	14	2025	SH ⁴			
		3679+40	3689+00	14	965	SH ⁴			
		3689+00	3693+50	8	450	ST ⁵			
Addison Reserve (CNE NB04)	34.00	3693+50	3706+00	14	1245	SH ⁴	68.00	\$1,419,600	\$20,876
		3705+20	3718+00	14	1290	SH ⁴			
Brentwood and Century Village (CNE SB01)	559.00	3528+00	3584+40	14	5640	SH ⁴	619.50	\$3,158,400	\$5,098

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. Calculated cost includes the cost of existing walls as described in Section 3.4

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 SH - Shoulder noise barrier on Florida's Turnpike.

5 ST - Structure-mounted barrier on Florida's Turnpike.

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 Construction⁴.

Using the listing of sensitive sites found in FDOT's Project Development and Environment Manual, 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

Coordination with the public and local agencies and officials has been accomplished during the development of this project. In addition, local and community officials have had the opportunity to comment on the proposed project at the public meetings.

A public hearing for the project is tentatively scheduled to be held virtually online and in-person in Delray Beach in April 2026. This section will be updated and the report will be finalized after that time.

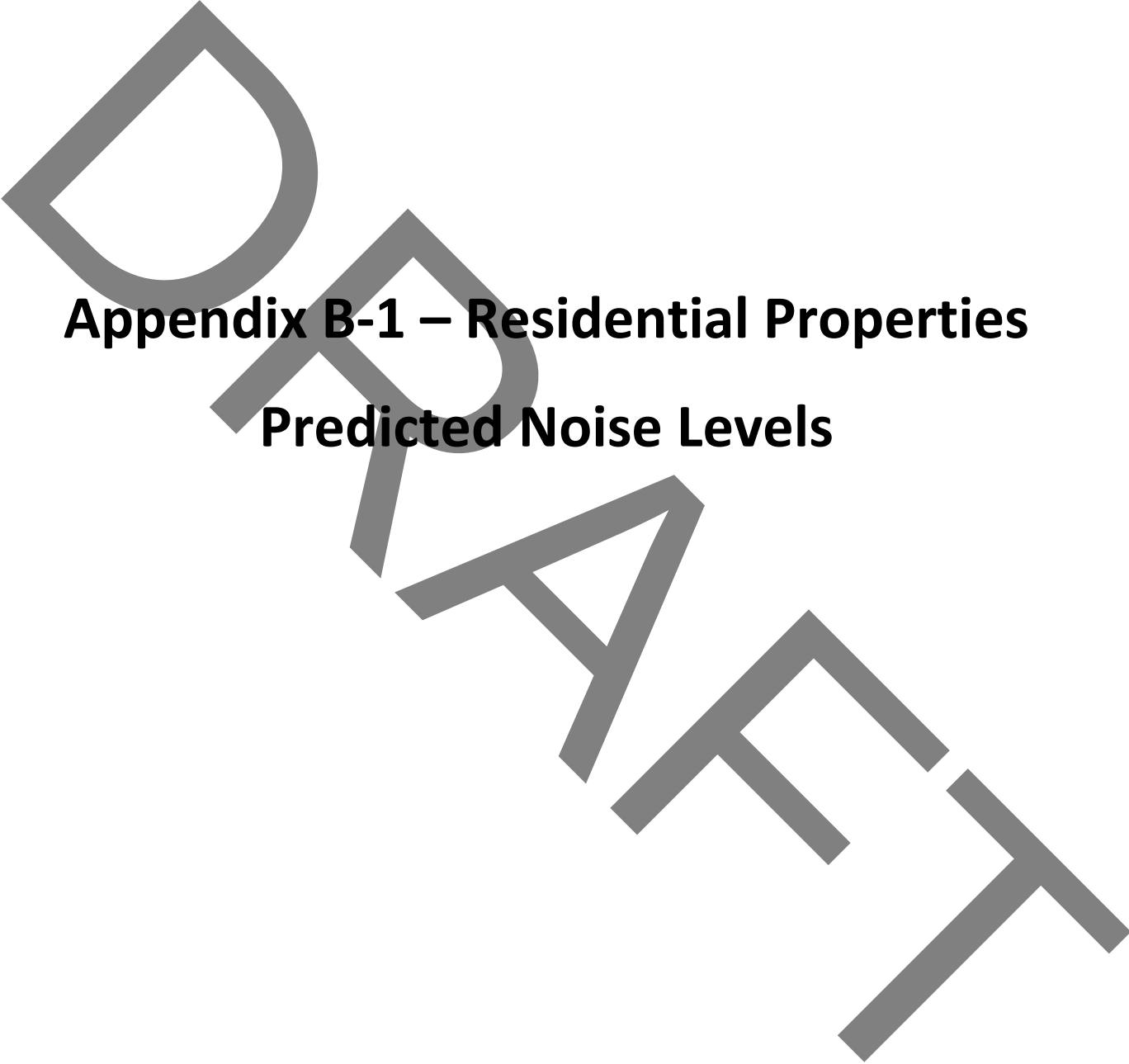
7.0 REFERENCES

1. **23 CFR Part 772**, *Procedures for Abatement of Highway Traffic Noise and Construction Noise*; Federal Highway Administration; Washington, D.C.; October 18, 2024.
2. **Project Development and Environment Manual**; Part 2, Chapter 18; Florida Department of Transportation; Tallahassee, Florida; July 31, 2024.
3. **Traffic Noise Modeling and Analysis Practitioners Handbook**; Florida Department of Transportation; Tallahassee, Florida; December 2018.
4. **Standard Specifications for Road and Bridge Construction**; Florida Department of Transportation; Tallahassee, Florida; July 2023.
5. **Noise Measurement Handbook**; Federal Highway Administration; Washington, D.C.; June 2018.

Appendix A

Traffic Data

These columns (A-U) below should be provided in the Noise Study Report as an Appendix. If additional rowas are needed for additional traffic segments, Traffic Segment Numbers (Column A) should be provided for each roadway segment.																					
Project/Data Information	Highway Traffic Noise: Traffic Data																				
	Project Name	Glades Road to the L-38 Canal																			
	Project Number	417132-1																			
	Condition	Build																			
	Year	2053																			
	Source																				
	Preparer [Traffic Engineer]	CU																			
	Prepared Date	8/20/2025																			
	Notes																				
Roadway Details										Traffic Details										Raw Traffic Data Selection & Off-Peak Calculation	
Traffic Segment Number	Roadway Name	From	To	Roadway Type	Number of Lanes *In 1 direction	LOS C Peak Hour Peak Direction (PHPD)	Demand Two-Way AADT	Demand Hourly Volumes (DHV) Peak Hour Peak Direction (PHPD)	% Autos	% Medium Trucks	% Heavy Trucks	% Buses	% Motorcycles	Standard K-factor	D-factor	Posted Speed (mph)	LOS C vs. DHV Comparison	Peak Direction Volume* *Used on both sides for LOS C	Off-Peak Direction Volume* *DHV only		
1	Turnpike Mainline	Glades Road	North of L-38 Canal (MP 76.8 – 80.2)	Mainline	5	7,440	176,900	9,190	81%	6.22%	12.24%	0.65%	0.39%	9.5%	54.7%	65	LOS C	7440	N/A		
2	Turnpike Mainline	Turnpike Southbound off	Glades Road	Ramp	1	1,300	11,100	1,700	81%	6.22%	12.24%	0.65%	0.39%	12.0%	64.0%	45	DHV	1700	956		
3	Turnpike Mainline	Glades Northbound on	Turnpike	Ramp	1	1,300	11,100	1,700	81%	6.22%	12.24%	0.65%	0.39%	12.0%	64.0%	45	DHV	1700	956		
4	Turnpike Mainline	Glades Southbound on (Loop ramp)	Turnpike	Ramp	1	1,240	15,300	2,350	81%	6.22%	12.24%	0.65%	0.39%	12.0%	64.0%	45	DHV	2350	1322		
5	Turnpike Mainline	Turnpike Northbound off	Glades Road	Ramp	2	2,600	15,300	2,350	81%	6.22%	12.24%	0.65%	0.39%	12.0%	64.0%	45	DHV	2350	1322		
6	Yamato Road	At Turnpike	N/A	Arterial	3	2,180	38,000	2,000	95%	2.44%	1.64%	0.80%	0.52%	9.0%	58.6%	45	DHV	2000	1413		
7	Clint Moore Road	At Turnpike	N/A	Arterial	2	1,190	39,600	2,090	95%	2.44%	1.64%	0.80%	0.52%	9.0%	58.6%	40	LOS C	1190	N/A		



Appendix B-1 – Residential Properties

Predicted Noise Levels

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
NB01	RNB01-008A	2	B	67	66	64.8	No	Lakewood Midrise Condominiums
NB01	RNB01-008B	2	B	67	66	69.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-008C	2	B	67	66	70.1	Yes	Lakewood Midrise Condominiums
NB01	RNB01-008D	2	B	67	66	70.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-008E	2	B	67	66	70.7	Yes	Lakewood Midrise Condominiums
NB01	RNB01-008F	2	B	67	66	71.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-008G	2	B	67	66	71.7	Yes	Lakewood Midrise Condominiums
NB01	RNB01-008H	2	B	67	66	72.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-009A	2	B	67	66	60.3	No	Lakewood Midrise Condominiums
NB01	RNB01-009B	2	B	67	66	63.6	No	Lakewood Midrise Condominiums
NB01	RNB01-009C	2	B	67	66	64.6	No	Lakewood Midrise Condominiums
NB01	RNB01-009D	2	B	67	66	65.1	No	Lakewood Midrise Condominiums
NB01	RNB01-009E	2	B	67	66	65.5	No	Lakewood Midrise Condominiums
NB01	RNB01-009F	2	B	67	66	65.8	No	Lakewood Midrise Condominiums
NB01	RNB01-009G	2	B	67	66	66.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-009H	2	B	67	66	67.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-010A	2	B	67	66	64.1	No	Lakewood Midrise Condominiums
NB01	RNB01-010B	2	B	67	66	68.9	Yes	Lakewood Midrise Condominiums
NB01	RNB01-010C	2	B	67	66	70.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-010D	2	B	67	66	70.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-010E	2	B	67	66	70.7	Yes	Lakewood Midrise Condominiums
NB01	RNB01-010F	2	B	67	66	71.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-010G	2	B	67	66	71.7	Yes	Lakewood Midrise Condominiums
NB01	RNB01-010H	2	B	67	66	72.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-011A	2	B	67	66	61.3	No	Lakewood Midrise Condominiums
NB01	RNB01-011B	2	B	67	66	64.5	No	Lakewood Midrise Condominiums
NB01	RNB01-011C	2	B	67	66	65.4	No	Lakewood Midrise Condominiums
NB01	RNB01-011D	2	B	67	66	65.7	No	Lakewood Midrise Condominiums
NB01	RNB01-011E	2	B	67	66	66.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-011F	2	B	67	66	66.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-011G	2	B	67	66	66.8	Yes	Lakewood Midrise Condominiums
NB01	RNB01-011H	2	B	67	66	67.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-012A	2	B	67	66	66.1	Yes	Lakewood Midrise Condominiums
NB01	RNB01-012B	2	B	67	66	69.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-012C	2	B	67	66	70.1	Yes	Lakewood Midrise Condominiums
NB01	RNB01-012D	2	B	67	66	70.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-012E	2	B	67	66	70.8	Yes	Lakewood Midrise Condominiums
NB01	RNB01-012F	2	B	67	66	71.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-012G	2	B	67	66	71.8	Yes	Lakewood Midrise Condominiums
NB01	RNB01-012H	2	B	67	66	72.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-013A	2	B	67	66	62.6	No	Lakewood Midrise Condominiums
NB01	RNB01-013B	2	B	67	66	65.9	No	Lakewood Midrise Condominiums
NB01	RNB01-013C	2	B	67	66	66.9	Yes	Lakewood Midrise Condominiums
NB01	RNB01-013D	2	B	67	66	67.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-013E	2	B	67	66	67.5	Yes	Lakewood Midrise Condominiums
NB01	RNB01-013F	2	B	67	66	67.7	Yes	Lakewood Midrise Condominiums
NB01	RNB01-013G	2	B	67	66	68.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-013H	2	B	67	66	68.9	Yes	Lakewood Midrise Condominiums
NB01	RNB01-014A	2	B	67	66	66.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-014B	2	B	67	66	69.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-014C	2	B	67	66	70.1	Yes	Lakewood Midrise Condominiums
NB01	RNB01-014D	2	B	67	66	70.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-014E	2	B	67	66	70.8	Yes	Lakewood Midrise Condominiums
NB01	RNB01-014F	2	B	67	66	71.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-014G	2	B	67	66	71.8	Yes	Lakewood Midrise Condominiums
NB01	RNB01-014H	2	B	67	66	72.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-015A	2	B	67	66	62.9	No	Lakewood Midrise Condominiums
NB01	RNB01-015B	2	B	67	66	66.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-015C	2	B	67	66	67.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-015D	2	B	67	66	67.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-015E	2	B	67	66	67.8	Yes	Lakewood Midrise Condominiums
NB01	RNB01-015F	2	B	67	66	68.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-015G	2	B	67	66	68.8	Yes	Lakewood Midrise Condominiums
NB01	RNB01-015H	2	B	67	66	69.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-016A	2	B	67	66	65.0	No	Lakewood Midrise Condominiums
NB01	RNB01-016B	2	B	67	66	68.4	Yes	Lakewood Midrise Condominiums

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
NB01	RNB01-016C	2	B	67	66	69.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-016D	2	B	67	66	69.7	Yes	Lakewood Midrise Condominiums
NB01	RNB01-016E	2	B	67	66	70.1	Yes	Lakewood Midrise Condominiums
NB01	RNB01-016F	2	B	67	66	70.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-016G	2	B	67	66	71.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-016H	2	B	67	66	71.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-017A	2	B	67	66	60.8	No	Lakewood Midrise Condominiums
NB01	RNB01-017B	2	B	67	66	64.5	No	Lakewood Midrise Condominiums
NB01	RNB01-017C	2	B	67	66	65.5	No	Lakewood Midrise Condominiums
NB01	RNB01-017D	2	B	67	66	65.9	No	Lakewood Midrise Condominiums
NB01	RNB01-017E	2	B	67	66	66.1	Yes	Lakewood Midrise Condominiums
NB01	RNB01-017F	2	B	67	66	66.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-017G	2	B	67	66	66.8	Yes	Lakewood Midrise Condominiums
NB01	RNB01-017H	2	B	67	66	67.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-018A	2	B	67	66	64.9	No	Lakewood Midrise Condominiums
NB01	RNB01-018B	2	B	67	66	68.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-018C	2	B	67	66	69.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-018D	2	B	67	66	69.7	Yes	Lakewood Midrise Condominiums
NB01	RNB01-018E	2	B	67	66	70.1	Yes	Lakewood Midrise Condominiums
NB01	RNB01-018F	2	B	67	66	70.5	Yes	Lakewood Midrise Condominiums
NB01	RNB01-018G	2	B	67	66	71.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-018H	2	B	67	66	71.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-019A	2	B	67	66	61.2	No	Lakewood Midrise Condominiums
NB01	RNB01-019B	2	B	67	66	64.8	No	Lakewood Midrise Condominiums
NB01	RNB01-019C	2	B	67	66	65.7	No	Lakewood Midrise Condominiums
NB01	RNB01-019D	2	B	67	66	66.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-019E	2	B	67	66	66.9	Yes	Lakewood Midrise Condominiums
NB01	RNB01-019F	2	B	67	66	67.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-019G	2	B	67	66	67.8	Yes	Lakewood Midrise Condominiums
NB01	RNB01-019H	2	B	67	66	68.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-021A	2	B	67	66	63.2	No	Lakewood Midrise Condominiums
NB01	RNB01-021B	2	B	67	66	66.9	Yes	Lakewood Midrise Condominiums
NB01	RNB01-021C	2	B	67	66	68.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-021D	2	B	67	66	68.5	Yes	Lakewood Midrise Condominiums
NB01	RNB01-021E	2	B	67	66	69.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-021F	2	B	67	66	69.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-021G	2	B	67	66	69.8	Yes	Lakewood Midrise Condominiums
NB01	RNB01-021H	2	B	67	66	70.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-022A	2	B	67	66	59.9	No	Lakewood Midrise Condominiums
NB01	RNB01-022B	2	B	67	66	63.8	No	Lakewood Midrise Condominiums
NB01	RNB01-022C	2	B	67	66	64.7	No	Lakewood Midrise Condominiums
NB01	RNB01-022D	2	B	67	66	65.1	No	Lakewood Midrise Condominiums
NB01	RNB01-022E	2	B	67	66	65.2	No	Lakewood Midrise Condominiums
NB01	RNB01-022F	2	B	67	66	65.4	No	Lakewood Midrise Condominiums
NB01	RNB01-022G	2	B	67	66	65.8	No	Lakewood Midrise Condominiums
NB01	RNB01-022H	2	B	67	66	66.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-024A	2	B	67	66	63.1	No	Lakewood Midrise Condominiums
NB01	RNB01-024B	2	B	67	66	66.9	Yes	Lakewood Midrise Condominiums
NB01	RNB01-024C	2	B	67	66	68.0	Yes	Lakewood Midrise Condominiums
NB01	RNB01-024D	2	B	67	66	68.7	Yes	Lakewood Midrise Condominiums
NB01	RNB01-024E	2	B	67	66	69.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-024F	2	B	67	66	69.5	Yes	Lakewood Midrise Condominiums
NB01	RNB01-024G	2	B	67	66	69.9	Yes	Lakewood Midrise Condominiums
NB01	RNB01-024H	2	B	67	66	70.4	Yes	Lakewood Midrise Condominiums
NB01	RNB01-025A	2	B	67	66	59.5	No	Lakewood Midrise Condominiums
NB01	RNB01-025B	2	B	67	66	63.3	No	Lakewood Midrise Condominiums
NB01	RNB01-025C	2	B	67	66	64.7	No	Lakewood Midrise Condominiums
NB01	RNB01-025D	2	B	67	66	65.6	No	Lakewood Midrise Condominiums
NB01	RNB01-025E	2	B	67	66	66.3	Yes	Lakewood Midrise Condominiums
NB01	RNB01-025F	2	B	67	66	66.8	Yes	Lakewood Midrise Condominiums
NB01	RNB01-025G	2	B	67	66	67.2	Yes	Lakewood Midrise Condominiums
NB01	RNB01-025H	2	B	67	66	67.6	Yes	Lakewood Midrise Condominiums
NB01	RNB01-029	1	B	67	66	70.1	Yes	Boca West
NB01	RNB01-030	1	B	67	66	70.8	Yes	Boca West
NB01	RNB01-031	2	B	67	66	66.9	Yes	Boca West
NB01	RNB01-032	1	B	67	66	68.2	Yes	Boca West

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
NB01	RNB01-033	1	B	67	66	75.7	Yes	Boca West
NB01	RNB01-034	2	B	67	66	62.7	No	Boca West
NB01	RNB01-035	2	B	67	66	59.7	No	Boca West
NB01	RNB01-036	2	B	67	66	63.3	No	Boca West
NB01	RNB01-037	2	B	67	66	61.6	No	Boca West
NB01	RNB01-038	1	B	67	66	67.2	Yes	Boca West
NB01	RNB01-039	5	B	67	66	59.9	No	Boca West
NB01	RNB01-040	2	B	67	66	61.5	No	Boca West
NB01	RNB01-041	1	B	67	66	71.0	Yes	Boca West
NB01	RNB01-042	1	B	67	66	68.0	Yes	Boca West
NB01	RNB01-043	1	B	67	66	75.4	Yes	Boca West
NB01	RNB01-044	1	B	67	66	70.0	Yes	Boca West
NB01	RNB01-045	4	B	67	66	64.0	No	Boca West
NB01	RNB01-047	2	B	67	66	70.0	Yes	Boca West
NB01	RNB01-049	4	B	67	66	59.7	No	Boca West
NB01	RNB01-050	3	B	67	66	70.9	Yes	Boca West
NB01	RNB01-051	2	B	67	66	70.0	Yes	Boca West
NB01	RNB01-052	4	B	67	66	58.2	No	Boca West
NB01	RNB01-053	3	B	67	66	70.8	Yes	Boca West
NB01	RNB01-054	3	B	67	66	69.5	Yes	Boca West
NB01	RNB01-057	2	B	67	66	70.3	Yes	Boca West
NB01	RNB01-058	3	B	67	66	64.1	No	Boca West
NB01	RNB01-059	1	B	67	66	64.3	No	Boca West
NB01	RNB01-060	1	B	67	66	65.1	No	Boca West
NB01	RNB01-061	2	B	67	66	64.1	No	Boca West
NB01	RNB01-062	2	B	67	66	64.9	No	Boca West
NB01	RNB01-063	2	B	67	66	65.4	No	Boca West
NB01	RNB01-066	2	B	67	66	66.4	Yes	Boca West
NB01	RNB01-067	2	B	67	66	67.0	Yes	Boca West
NB01	RNB01-068	1	B	67	66	67.7	Yes	Boca West
NB01	RNB01-069	1	B	67	66	68.2	Yes	Boca West
NB01	RNB01-070	1	B	67	66	71.6	Yes	Boca West
NB01	RNB01-071	1	B	67	66	72.4	Yes	Boca West
NB01	RNB01-072	1	B	67	66	74.2	Yes	Boca West
NB01	RNB01-073	1	B	67	66	72.3	Yes	Boca West
NB01	RNB01-074	1	B	67	66	70.3	Yes	Boca West
NB01	RNB01-075	3	B	67	66	67.6	Yes	Boca West
NB01	RNB01-076	4	B	67	66	65.9	No	Boca West
NB01	RNB01-079	1	B	67	66	64.4	No	Boca West
NB01	RNB01-080	1	B	67	66	64.8	No	Boca West
NB01	RNB01-081	5	B	67	66	64.9	No	Boca West
NB01	RNB01-082	6	B	67	66	66.0	Yes	Boca West
NB01	RNB01-084	5	B	67	66	65.7	No	Boca West
NB02	RNB02-002	8	B	67	66	67.0	Yes	Woodfield Country Club
NB02	RNB02-004	14	B	67	66	57.0	No	Woodfield Country Club
NB02	RNB02-006	7	B	67	66	69.8	Yes	Woodfield Country Club
NB02	RNB02-007	11	B	67	66	57.8	No	Woodfield Country Club
NB02	RNB02-008	12	B	67	66	56.3	No	Woodfield Country Club
NB02	RNB02-009	8	B	67	66	69.6	Yes	Woodfield Country Club
NB02	RNB02-010	6	B	67	66	57.2	No	Woodfield Country Club
NB02	RNB02-012	7	B	67	66	70.3	Yes	Woodfield Country Club
NB02	RNB02-013	3	B	67	66	60.3	No	Woodfield Country Club
NB02	RNB02-014	9	B	67	66	59.1	No	Woodfield Country Club
NB02	RNB02-016	6	B	67	66	57.6	No	Woodfield Country Club
NB02	RNB02-017	4	B	67	66	59.6	No	Woodfield Country Club
NB02	RNB02-019	7	B	67	66	67.8	Yes	Woodfield Country Club
NB02	RNB02-020	5	B	67	66	67.0	Yes	Woodfield Country Club
NB02	RNB02-021	7	B	67	66	56.2	No	Woodfield Country Club
NB02	RNB02-022	3	B	67	66	59.3	No	Woodfield Country Club
NB02	RNB02-023	5	B	67	66	62.0	No	Woodfield Country Club
NB02	RNB02-024	4	B	67	66	56.3	No	Woodfield Country Club
NB02	RNB02-027	6	B	67	66	60.4	No	Woodfield Country Club
NB02	RNB02-028	3	B	67	66	65.7	No	Woodfield Country Club
NB02	RNB02-029	6	B	67	66	57.2	No	Woodfield Country Club
NB02	RNB02-030	6	B	67	66	60.5	No	Woodfield Country Club
NB02	RNB02-031	2	B	67	66	57.2	No	Woodfield Country Club

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
NB02	RNB02-032	6	B	67	66	59.2	No	Woodfield Country Club
NB02	RNB02-033	7	B	67	66	65.7	No	Woodfield Country Club
NB02	RNB02-034	6	B	67	66	60.8	No	Woodfield Country Club
NB02	RNB02-035	7	B	67	66	59.1	No	Woodfield Country Club
NB02	RNB02-036	8	B	67	66	65.1	No	Woodfield Country Club
NB02	RNB02-037	8	B	67	66	58.9	No	Woodfield Country Club
NB02	RNB02-038	6	B	67	66	68.1	Yes	Woodfield Country Club
NB02	RNB02-039	7	B	67	66	61.4	No	Woodfield Country Club
NB02	RNB02-040	6	B	67	66	59.2	No	Woodfield Country Club
NB02	RNB02-041	8	B	67	66	59.7	No	Woodfield Country Club
NB02	RNB02-042	5	B	67	66	65.4	No	Woodfield Country Club
NB02	RNB02-043	14	B	67	66	57.5	No	Woodfield Country Club
NB02	RNB02-044	5	B	67	66	62.1	No	Woodfield Country Club
NB02	RNB02-045	6	B	67	66	67.4	Yes	Woodfield Country Club
NB02	RNB02-046	8	B	67	66	62.4	No	Woodfield Country Club
NB02	RNB02-047	8	B	67	66	62.5	No	Woodfield Country Club
NB02	RNB02-048	4	B	67	66	59.8	No	Woodfield Country Club
NB02	RNB02-049	6	B	67	66	64.2	No	Woodfield Country Club
NB02	RNB02-050	6	B	67	66	63.7	No	Woodfield Country Club
NB02	RNB02-051	5	B	67	66	72.8	Yes	Woodfield Country Club
NB02	RNB02-052	8	B	67	66	63.0	No	Woodfield Country Club
NB02	RNB02-053	13	B	67	66	56.1	No	Woodfield Country Club
NB02	RNB02-054	6	B	67	66	59.2	No	Woodfield Country Club
NB02	RNB02-055	8	B	67	66	60.6	No	Woodfield Country Club
NB02	RNB02-056	10	B	67	66	56.1	No	Woodfield Country Club
NB02	RNB02-058	5	B	67	66	67.8	Yes	Woodfield Country Club
NB02	RNB02-059	9	B	67	66	64.7	No	Woodfield Country Club
NB02	RNB02-060	15	B	67	66	58.0	No	Woodfield Country Club
NB02	RNB02-061	3	B	67	66	72.3	Yes	Woodfield Country Club
NB02	RNB02-062	7	B	67	66	67.8	Yes	Woodfield Country Club
NB02	RNB02-063	7	B	67	66	66.0	Yes	Woodfield Country Club
NB02	RNB02-064	3	B	67	66	67.0	Yes	Woodfield Country Club
NB03	RNB03-003	6	B	67	66	61.0	No	St Andrews Country Club
NB03	RNB03-004	6	B	67	66	64.3	No	St Andrews Country Club
NB03	RNB03-005	5	B	67	66	70.2	Yes	St Andrews Country Club
NB03	RNB03-008	18	B	67	66	55.8	No	St Andrews Country Club
NB03	RNB03-009	19	B	67	66	70.3	Yes	St Andrews Country Club
NB03	RNB03-011	5	B	67	66	61.0	No	St Andrews Country Club
NB03	RNB03-013	5	B	67	66	70.4	Yes	St Andrews Country Club
NB03	RNB03-014	20	B	67	66	55.6	No	St Andrews Country Club
NB03	RNB03-017	9	B	67	66	73.8	Yes	St Andrews Country Club
NB03	RNB03-018	9	B	67	66	59.8	No	St Andrews Country Club
NB03	RNB03-022	4	B	67	66	61.3	No	St Andrews Country Club
NB03	RNB03-023	5	B	67	66	71.8	Yes	St Andrews Country Club
NB03	RNB03-025	7	B	67	66	71.3	Yes	St Andrews Country Club
NB03	RNB03-026	7	B	67	66	65.2	No	St Andrews Country Club
NB03	RNB03-028	4	B	67	66	59.7	No	St Andrews Country Club
NB03	RNB03-030	5	B	67	66	60.9	No	St Andrews Country Club
NB03	RNB03-031	8	B	67	66	71.7	Yes	St Andrews Country Club
NB03	RNB03-034	5	B	67	66	62.3	No	St Andrews Country Club
NB03	RNB03-035	5	B	67	66	70.7	Yes	St Andrews Country Club
NB04	RNB04-001	2	B	67	66	70.2	Yes	Addison Reserve
NB04	RNB04-002	2	B	67	66	68.3	Yes	Addison Reserve
NB04	RNB04-003	2	B	67	66	66.5	Yes	Addison Reserve
NB04	RNB04-004	2	B	67	66	64.6	No	Addison Reserve
NB04	RNB04-005	2	B	67	66	62.9	No	Addison Reserve
NB04	RNB04-006	2	B	67	66	61.2	No	Addison Reserve
NB04	RNB04-007	2	B	67	66	68.0	Yes	Addison Reserve
NB04	RNB04-008	2	B	67	66	66.5	Yes	Addison Reserve
NB04	RNB04-009	2	B	67	66	65.3	No	Addison Reserve
NB04	RNB04-010	2	B	67	66	64.0	No	Addison Reserve
NB04	RNB04-011	2	B	67	66	62.5	No	Addison Reserve
NB04	RNB04-012	2	B	67	66	73.0	Yes	Addison Reserve
NB04	RNB04-013	2	B	67	66	70.7	Yes	Addison Reserve
NB04	RNB04-014	2	B	67	66	69.4	Yes	Addison Reserve
NB04	RNB04-015	2	B	67	66	67.3	Yes	Addison Reserve

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
NB04	RNB04-016	2	B	67	66	65.3	No	Addison Reserve
NB04	RNB04-017	2	B	67	66	63.4	No	Addison Reserve
NB04	RNB04-018	2	B	67	66	70.5	Yes	Addison Reserve
NB04	RNB04-019	2	B	67	66	67.1	Yes	Addison Reserve
NB04	RNB04-020	2	B	67	66	68.0	Yes	Addison Reserve
NB04	RNB04-021	2	B	67	66	66.1	Yes	Addison Reserve
NB04	RNB04-022	2	B	67	66	64.5	No	Addison Reserve
NB04	RNB04-023	2	B	67	66	62.9	No	Addison Reserve
NB04	RNB04-024	2	B	67	66	61.2	No	Addison Reserve
NB04	RNB04-025	2	B	67	66	69.9	Yes	Addison Reserve
NB04	RNB04-026	2	B	67	66	68.0	Yes	Addison Reserve
NB04	RNB04-027	2	B	67	66	65.6	No	Addison Reserve
NB04	RNB04-028	2	B	67	66	64.0	No	Addison Reserve
NB04	RNB04-029	2	B	67	66	62.7	No	Addison Reserve
NB04	RNB04-030	2	B	67	66	61.7	No	Addison Reserve
NB04	RNB04-031	2	B	67	66	60.5	No	Addison Reserve
NB04	RNB04-032	2	B	67	66	68.6	Yes	Addison Reserve
NB04	RNB04-033	2	B	67	66	67.1	Yes	Addison Reserve
NB04	RNB04-034	2	B	67	66	64.4	No	Addison Reserve
NB04	RNB04-035	2	B	67	66	63.1	No	Addison Reserve
NB04	RNB04-036	2	B	67	66	61.5	No	Addison Reserve
NB04	RNB04-037	2	B	67	66	60.2	No	Addison Reserve
NB04	RNB04-038	2	B	67	66	59.0	No	Addison Reserve
NB04	RNB04-039	2	B	67	66	58.0	No	Addison Reserve
SB01	RSB01-003	5	B	67	66	57.7	No	Brentwood
SB01	RSB01-004	2	B	67	66	71.4	Yes	Brentwood
SB01	RSB01-005	3	B	67	66	66.9	Yes	Brentwood
SB01	RSB01-006	5	B	67	66	60.7	No	Brentwood
SB01	RSB01-007	1	B	67	66	75.2	Yes	Brentwood
SB01	RSB01-008	5	B	67	66	55.9	No	Brentwood
SB01	RSB01-009	1	B	67	66	74.4	Yes	Brentwood
SB01	RSB01-010	4	B	67	66	55.7	No	Brentwood
SB01	RSB01-011	4	B	67	66	56.3	No	Brentwood
SB01	RSB01-012	1	B	67	66	74.2	Yes	Brentwood
SB01	RSB01-013	5	B	67	66	74.4	Yes	Brentwood
SB01	RSB01-014	5	B	67	66	57.7	No	Brentwood
SB01	RSB01-015	4	B	67	66	59.1	No	Brentwood
SB01	RSB01-016	3	B	67	66	63.7	No	Brentwood
SB01	RSB01-017	4	B	67	66	53.8	No	Brentwood
SB01	RSB01-018	1	B	67	66	74.5	Yes	Brentwood
SB01	RSB01-019	1	B	67	66	74.3	Yes	Brentwood
SB01	RSB01-020A	4	B	67	66	61.1	No	Century Village
SB01	RSB01-020B	4	B	67	66	64.1	No	Century Village
SB01	RSB01-020C	4	B	67	66	65.6	No	Century Village
SB01	RSB01-021A	4	B	67	66	58.0	No	Century Village
SB01	RSB01-021B	4	B	67	66	61.3	No	Century Village
SB01	RSB01-021C	4	B	67	66	63.1	No	Century Village
SB01	RSB01-022A	2	B	67	66	64.0	No	Century Village
SB01	RSB01-022B	2	B	67	66	66.6	Yes	Century Village
SB01	RSB01-022C	2	B	67	66	67.8	Yes	Century Village
SB01	RSB01-023A	2	B	67	66	71.2	Yes	Century Village
SB01	RSB01-023B	2	B	67	66	73.9	Yes	Century Village
SB01	RSB01-023C	2	B	67	66	74.8	Yes	Century Village
SB01	RSB01-024A	2	B	67	66	60.0	No	Century Village
SB01	RSB01-024B	2	B	67	66	62.9	No	Century Village
SB01	RSB01-024C	2	B	67	66	64.4	No	Century Village
SB01	RSB01-025A	2	B	67	66	71.3	Yes	Century Village
SB01	RSB01-025B	2	B	67	66	74.0	Yes	Century Village
SB01	RSB01-025C	2	B	67	66	74.9	Yes	Century Village
SB01	RSB01-026A	6	B	67	66	58.7	No	Century Village
SB01	RSB01-026B	6	B	67	66	61.1	No	Century Village
SB01	RSB01-026C	6	B	67	66	62.6	No	Century Village
SB01	RSB01-027A	3	B	67	66	62.0	No	Century Village
SB01	RSB01-027B	3	B	67	66	64.4	No	Century Village
SB01	RSB01-027C	3	B	67	66	65.8	No	Century Village
SB01	RSB01-028A	3	B	67	66	69.5	Yes	Century Village

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
SB01	RSB01-028B	3	B	67	66	71.8	Yes	Century Village
SB01	RSB01-028C	3	B	67	66	72.9	Yes	Century Village
SB01	RSB01-029A	4	B	67	66	57.6	No	Century Village
SB01	RSB01-029B	4	B	67	66	60.1	No	Century Village
SB01	RSB01-029C	4	B	67	66	61.8	No	Century Village
SB01	RSB01-030A	2	B	67	66	66.3	Yes	Century Village
SB01	RSB01-030B	2	B	67	66	68.9	Yes	Century Village
SB01	RSB01-030C	2	B	67	66	69.8	Yes	Century Village
SB01	RSB01-031A	6	B	67	66	58.9	No	Century Village
SB01	RSB01-031B	6	B	67	66	61.5	No	Century Village
SB01	RSB01-031C	6	B	67	66	62.7	No	Century Village
SB01	RSB01-032A	2	B	67	66	71.7	Yes	Century Village
SB01	RSB01-032B	2	B	67	66	74.4	Yes	Century Village
SB01	RSB01-032C	2	B	67	66	75.3	Yes	Century Village
SB01	RSB01-033A	3	B	67	66	66.5	Yes	Century Village
SB01	RSB01-033B	3	B	67	66	69.1	Yes	Century Village
SB01	RSB01-033C	3	B	67	66	69.8	Yes	Century Village
SB01	RSB01-034A	3	B	67	66	66.5	Yes	Century Village
SB01	RSB01-034B	3	B	67	66	69.0	Yes	Century Village
SB01	RSB01-034C	3	B	67	66	69.8	Yes	Century Village
SB01	RSB01-035A	2	B	67	66	71.8	Yes	Century Village
SB01	RSB01-035B	2	B	67	66	74.5	Yes	Century Village
SB01	RSB01-035C	2	B	67	66	75.4	Yes	Century Village
SB01	RSB01-036A	4	B	67	66	59.4	No	Century Village
SB01	RSB01-036B	4	B	67	66	62.1	No	Century Village
SB01	RSB01-036C	4	B	67	66	63.4	No	Century Village
SB01	RSB01-037A	2	B	67	66	65.2	No	Century Village
SB01	RSB01-037B	2	B	67	66	67.1	Yes	Century Village
SB01	RSB01-037C	2	B	67	66	68.5	Yes	Century Village
SB01	RSB01-038A	2	B	67	66	65.1	No	Century Village
SB01	RSB01-038B	2	B	67	66	67.5	Yes	Century Village
SB01	RSB01-038C	2	B	67	66	68.4	Yes	Century Village
SB01	RSB01-039A	4	B	67	66	59.5	No	Century Village
SB01	RSB01-039B	4	B	67	66	62.1	No	Century Village
SB01	RSB01-039C	4	B	67	66	63.4	No	Century Village
SB01	RSB01-040A	6	B	67	66	59.9	No	Century Village
SB01	RSB01-040B	6	B	67	66	62.6	No	Century Village
SB01	RSB01-040C	6	B	67	66	63.7	No	Century Village
SB01	RSB01-041A	2	B	67	66	72.0	Yes	Century Village
SB01	RSB01-041B	2	B	67	66	74.5	Yes	Century Village
SB01	RSB01-041C	2	B	67	66	75.5	Yes	Century Village
SB01	RSB01-042A	3	B	67	66	67.1	Yes	Century Village
SB01	RSB01-042B	3	B	67	66	69.2	Yes	Century Village
SB01	RSB01-042C	3	B	67	66	69.9	Yes	Century Village
SB01	RSB01-043A	3	B	67	66	66.5	Yes	Century Village
SB01	RSB01-043B	3	B	67	66	69.0	Yes	Century Village
SB01	RSB01-043C	3	B	67	66	69.8	Yes	Century Village
SB01	RSB01-044A	2	B	67	66	72.2	Yes	Century Village
SB01	RSB01-044B	2	B	67	66	74.6	Yes	Century Village
SB01	RSB01-044C	2	B	67	66	75.5	Yes	Century Village
SB01	RSB01-045A	2	B	67	66	67.6	Yes	Century Village
SB01	RSB01-045B	2	B	67	66	69.5	Yes	Century Village
SB01	RSB01-045C	2	B	67	66	70.1	Yes	Century Village
SB01	RSB01-046A	4	B	67	66	57.7	No	Century Village
SB01	RSB01-046B	4	B	67	66	60.4	No	Century Village
SB01	RSB01-046C	4	B	67	66	62.0	No	Century Village
SB01	RSB01-047A	6	B	67	66	59.2	No	Century Village
SB01	RSB01-047B	6	B	67	66	61.8	No	Century Village
SB01	RSB01-047C	6	B	67	66	63.3	No	Century Village
SB01	RSB01-048A	3	B	67	66	62.1	No	Century Village
SB01	RSB01-048B	3	B	67	66	64.3	No	Century Village
SB01	RSB01-048C	3	B	67	66	65.8	No	Century Village
SB01	RSB01-049A	3	B	67	66	70.5	Yes	Century Village
SB01	RSB01-049B	3	B	67	66	72.3	Yes	Century Village
SB01	RSB01-049C	3	B	67	66	73.1	Yes	Century Village
SB01	RSB01-050A	2	B	67	66	72.3	Yes	Century Village

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
SB01	RSB01-050B	2	B	67	66	74.5	Yes	Century Village
SB01	RSB01-050C	2	B	67	66	75.4	Yes	Century Village
SB01	RSB01-051A	2	B	67	66	62.7	No	Century Village
SB01	RSB01-051B	2	B	67	66	65.9	No	Century Village
SB01	RSB01-051C	2	B	67	66	67.1	Yes	Century Village
SB01	RSB01-052A	4	B	67	66	61.2	No	Century Village
SB01	RSB01-052B	4	B	67	66	64.2	No	Century Village
SB01	RSB01-052C	4	B	67	66	65.4	No	Century Village
SB01	RSB01-053A	4	B	67	66	64.0	No	Century Village
SB01	RSB01-053B	4	B	67	66	66.7	Yes	Century Village
SB01	RSB01-053C	4	B	67	66	67.7	Yes	Century Village
SB01	RSB01-054A	2	B	67	66	66.5	Yes	Century Village
SB01	RSB01-054B	2	B	67	66	68.8	Yes	Century Village
SB01	RSB01-054C	2	B	67	66	69.7	Yes	Century Village
SB01	RSB01-055A	2	B	67	66	72.5	Yes	Century Village
SB01	RSB01-055B	2	B	67	66	74.6	Yes	Century Village
SB01	RSB01-055C	2	B	67	66	75.5	Yes	Century Village
SB01	RSB01-057A	2	B	67	66	71.6	Yes	Century Village
SB01	RSB01-057B	2	B	67	66	73.6	Yes	Century Village
SB01	RSB01-057C	2	B	67	66	75.0	Yes	Century Village
SB01	RSB01-057D	2	B	67	66	76.0	Yes	Century Village
SB01	RSB01-058A	2	B	67	66	69.6	Yes	Century Village
SB01	RSB01-058B	2	B	67	66	71.7	Yes	Century Village
SB01	RSB01-058C	2	B	67	66	73.0	Yes	Century Village
SB01	RSB01-058D	2	B	67	66	73.6	Yes	Century Village
SB01	RSB01-059A	2	B	67	66	68.4	Yes	Century Village
SB01	RSB01-059B	2	B	67	66	70.5	Yes	Century Village
SB01	RSB01-059C	2	B	67	66	71.3	Yes	Century Village
SB01	RSB01-059D	2	B	67	66	72.5	Yes	Century Village
SB01	RSB01-060A	3	B	67	66	67.6	Yes	Century Village
SB01	RSB01-060B	3	B	67	66	69.8	Yes	Century Village
SB01	RSB01-060C	3	B	67	66	70.4	Yes	Century Village
SB01	RSB01-060D	3	B	67	66	71.5	Yes	Century Village
SB01	RSB01-061A	3	B	67	66	66.4	Yes	Century Village
SB01	RSB01-061B	3	B	67	66	68.5	Yes	Century Village
SB01	RSB01-061C	3	B	67	66	69.5	Yes	Century Village
SB01	RSB01-061D	3	B	67	66	70.3	Yes	Century Village
SB01	RSB01-062A	6	B	67	66	66.3	Yes	Century Village
SB01	RSB01-062B	6	B	67	66	68.3	Yes	Century Village
SB01	RSB01-062C	6	B	67	66	69.3	Yes	Century Village
SB01	RSB01-062D	6	B	67	66	69.8	Yes	Century Village
SB01	RSB01-064A	2	B	67	66	71.6	Yes	Century Village
SB01	RSB01-064B	2	B	67	66	73.9	Yes	Century Village
SB01	RSB01-064C	2	B	67	66	75.3	Yes	Century Village
SB01	RSB01-064D	2	B	67	66	76.3	Yes	Century Village
SB01	RSB01-065A	2	B	67	66	69.6	Yes	Century Village
SB01	RSB01-065B	2	B	67	66	72.1	Yes	Century Village
SB01	RSB01-065C	2	B	67	66	73.3	Yes	Century Village
SB01	RSB01-065D	2	B	67	66	73.9	Yes	Century Village
SB01	RSB01-066A	2	B	67	66	68.3	Yes	Century Village
SB01	RSB01-066B	2	B	67	66	70.7	Yes	Century Village
SB01	RSB01-066C	2	B	67	66	71.8	Yes	Century Village
SB01	RSB01-066D	2	B	67	66	72.9	Yes	Century Village
SB01	RSB01-067A	3	B	67	66	67.6	Yes	Century Village
SB01	RSB01-067B	3	B	67	66	70.1	Yes	Century Village
SB01	RSB01-067C	3	B	67	66	70.8	Yes	Century Village
SB01	RSB01-067D	3	B	67	66	72.2	Yes	Century Village
SB01	RSB01-068A	3	B	67	66	66.4	Yes	Century Village
SB01	RSB01-068B	3	B	67	66	68.3	Yes	Century Village
SB01	RSB01-068C	3	B	67	66	69.8	Yes	Century Village
SB01	RSB01-068D	3	B	67	66	70.7	Yes	Century Village
SB01	RSB01-069A	6	B	67	66	66.1	Yes	Century Village
SB01	RSB01-069B	6	B	67	66	67.8	Yes	Century Village
SB01	RSB01-069C	6	B	67	66	69.3	Yes	Century Village
SB01	RSB01-069D	6	B	67	66	70.0	Yes	Century Village
SB01	RSB01-070A	2	B	67	66	70.3	Yes	Century Village

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
SB01	RSB01-070B	2	B	67	66	72.7	Yes	Century Village
SB01	RSB01-070C	2	B	67	66	74.0	Yes	Century Village
SB01	RSB01-070D	2	B	67	66	74.9	Yes	Century Village
SB01	RSB01-071A	2	B	67	66	69.2	Yes	Century Village
SB01	RSB01-071B	2	B	67	66	71.8	Yes	Century Village
SB01	RSB01-071C	2	B	67	66	72.8	Yes	Century Village
SB01	RSB01-071D	2	B	67	66	73.6	Yes	Century Village
SB01	RSB01-072A	2	B	67	66	67.9	Yes	Century Village
SB01	RSB01-072B	2	B	67	66	70.3	Yes	Century Village
SB01	RSB01-072C	2	B	67	66	71.4	Yes	Century Village
SB01	RSB01-072D	2	B	67	66	72.4	Yes	Century Village
SB01	RSB01-073A	3	B	67	66	67.3	Yes	Century Village
SB01	RSB01-073B	3	B	67	66	69.8	Yes	Century Village
SB01	RSB01-073C	3	B	67	66	70.5	Yes	Century Village
SB01	RSB01-073D	3	B	67	66	71.6	Yes	Century Village
SB01	RSB01-074A	3	B	67	66	66.5	Yes	Century Village
SB01	RSB01-074B	3	B	67	66	68.3	Yes	Century Village
SB01	RSB01-074C	3	B	67	66	69.8	Yes	Century Village
SB01	RSB01-074D	3	B	67	66	70.7	Yes	Century Village
SB01	RSB01-075A	6	B	67	66	66.1	Yes	Century Village
SB01	RSB01-075B	6	B	67	66	67.8	Yes	Century Village
SB01	RSB01-075C	6	B	67	66	69.3	Yes	Century Village
SB01	RSB01-075D	6	B	67	66	70.2	Yes	Century Village
SB01	RSB01-077A	2	B	67	66	73.4	Yes	Century Village
SB01	RSB01-077B	2	B	67	66	75.7	Yes	Century Village
SB01	RSB01-077C	2	B	67	66	77.2	Yes	Century Village
SB01	RSB01-077D	2	B	67	66	78.0	Yes	Century Village
SB01	RSB01-078A	2	B	67	66	71.6	Yes	Century Village
SB01	RSB01-078B	2	B	67	66	73.8	Yes	Century Village
SB01	RSB01-078C	2	B	67	66	75.2	Yes	Century Village
SB01	RSB01-078D	2	B	67	66	76.1	Yes	Century Village
SB01	RSB01-079A	2	B	67	66	70.3	Yes	Century Village
SB01	RSB01-079B	2	B	67	66	72.6	Yes	Century Village
SB01	RSB01-079C	2	B	67	66	74.1	Yes	Century Village
SB01	RSB01-079D	2	B	67	66	74.9	Yes	Century Village
SB01	RSB01-080A	3	B	67	66	69.0	Yes	Century Village
SB01	RSB01-080B	3	B	67	66	71.4	Yes	Century Village
SB01	RSB01-080C	3	B	67	66	72.4	Yes	Century Village
SB01	RSB01-080D	3	B	67	66	73.5	Yes	Century Village
SB01	RSB01-081A	3	B	67	66	66.3	Yes	Century Village
SB01	RSB01-081B	3	B	67	66	68.7	Yes	Century Village
SB01	RSB01-081C	3	B	67	66	69.9	Yes	Century Village
SB01	RSB01-081D	3	B	67	66	70.8	Yes	Century Village
SB01	RSB01-082A	6	B	67	66	64.0	No	Century Village
SB01	RSB01-082B	6	B	67	66	67.0	Yes	Century Village
SB01	RSB01-082C	6	B	67	66	68.4	Yes	Century Village
SB01	RSB01-082D	6	B	67	66	68.6	Yes	Century Village
SB01	RSB01-083A	3	B	67	66	65.6	No	Century Village
SB01	RSB01-083B	3	B	67	66	68.0	Yes	Century Village
SB01	RSB01-083C	3	B	67	66	69.4	Yes	Century Village
SB01	RSB01-084A	6	B	67	66	60.9	No	Century Village
SB01	RSB01-084B	6	B	67	66	64.2	No	Century Village
SB01	RSB01-084C	6	B	67	66	65.6	No	Century Village
SB01	RSB01-085A	3	B	67	66	70.2	Yes	Century Village
SB01	RSB01-085B	3	B	67	66	72.8	Yes	Century Village
SB01	RSB01-085C	3	B	67	66	73.8	Yes	Century Village
SB01	RSB01-086A	4	B	67	66	62.0	No	Century Village
SB01	RSB01-086B	4	B	67	66	65.1	No	Century Village
SB01	RSB01-086C	4	B	67	66	66.7	Yes	Century Village
SB01	RSB01-087A	2	B	67	66	62.0	No	Century Village
SB01	RSB01-087B	2	B	67	66	65.0	No	Century Village
SB01	RSB01-087C	2	B	67	66	66.6	Yes	Century Village
SB01	RSB01-088A	2	B	67	66	73.8	Yes	Century Village
SB01	RSB01-088B	2	B	67	66	75.9	Yes	Century Village
SB01	RSB01-088C	2	B	67	66	77.3	Yes	Century Village
SB01	RSB01-089A	2	B	67	66	66.3	Yes	Century Village

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
SB01	RSB01-089B	2	B	67	66	68.0	Yes	Century Village
SB01	RSB01-089C	2	B	67	66	69.0	Yes	Century Village
SB01	RSB01-090A	2	B	67	66	73.9	Yes	Century Village
SB01	RSB01-090B	2	B	67	66	75.9	Yes	Century Village
SB01	RSB01-090C	2	B	67	66	77.3	Yes	Century Village
SB01	RSB01-091A	4	B	67	66	57.2	No	Century Village
SB01	RSB01-091B	4	B	67	66	60.4	No	Century Village
SB01	RSB01-091C	4	B	67	66	62.0	No	Century Village
SB01	RSB01-092A	3	B	67	66	63.4	No	Century Village
SB01	RSB01-092B	3	B	67	66	65.8	No	Century Village
SB01	RSB01-092C	3	B	67	66	66.9	Yes	Century Village
SB01	RSB01-093A	3	B	67	66	71.1	Yes	Century Village
SB01	RSB01-093B	3	B	67	66	72.8	Yes	Century Village
SB01	RSB01-093C	3	B	67	66	73.8	Yes	Century Village
SB01	RSB01-094A	4	B	67	66	57.1	No	Century Village
SB01	RSB01-094B	4	B	67	66	60.5	No	Century Village
SB01	RSB01-094C	4	B	67	66	62.1	No	Century Village
SB01	RSB01-095A	2	B	67	66	56.9	No	Century Village
SB01	RSB01-095B	2	B	67	66	58.9	No	Century Village
SB01	RSB01-095C	2	B	67	66	61.3	No	Century Village
SB01	RSB01-096A	2	B	67	66	73.1	Yes	Century Village
SB01	RSB01-096B	2	B	67	66	74.9	Yes	Century Village
SB01	RSB01-096C	2	B	67	66	76.1	Yes	Century Village
SB01	RSB01-097A	4	B	67	66	60.0	No	Century Village
SB01	RSB01-097B	4	B	67	66	62.9	No	Century Village
SB01	RSB01-097C	4	B	67	66	64.4	No	Century Village
SB01	RSB01-098A	2	B	67	66	66.3	Yes	Century Village
SB01	RSB01-098B	2	B	67	66	68.6	Yes	Century Village
SB01	RSB01-098C	2	B	67	66	69.2	Yes	Century Village
SB01	RSB01-099A	2	B	67	66	73.3	Yes	Century Village
SB01	RSB01-099B	2	B	67	66	75.1	Yes	Century Village
SB01	RSB01-099C	2	B	67	66	76.2	Yes	Century Village
SB01	RSB01-100A	6	B	67	66	61.4	No	Century Village
SB01	RSB01-100B	6	B	67	66	64.3	No	Century Village
SB01	RSB01-100C	6	B	67	66	65.3	No	Century Village
SB01	RSB01-101A	3	B	67	66	66.1	Yes	Century Village
SB01	RSB01-101B	3	B	67	66	68.2	Yes	Century Village
SB01	RSB01-101C	3	B	67	66	68.7	Yes	Century Village
SB01	RSB01-102A	3	B	67	66	70.9	Yes	Century Village
SB01	RSB01-102B	3	B	67	66	72.9	Yes	Century Village
SB01	RSB01-102C	3	B	67	66	73.7	Yes	Century Village
SB01	RSB01-103A	4	B	67	66	59.1	No	Century Village
SB01	RSB01-103B	4	B	67	66	62.1	No	Century Village
SB01	RSB01-103C	4	B	67	66	63.3	No	Century Village
SB01	RSB01-104A	4	B	67	66	62.7	No	Century Village
SB01	RSB01-104B	4	B	67	66	65.2	No	Century Village
SB01	RSB01-104C	4	B	67	66	66.1	Yes	Century Village
SB01	RSB01-105A	2	B	67	66	61.2	No	Century Village
SB01	RSB01-105B	2	B	67	66	63.8	No	Century Village
SB01	RSB01-105C	2	B	67	66	65.1	No	Century Village
SB01	RSB01-106A	2	B	67	66	74.1	Yes	Century Village
SB01	RSB01-106B	2	B	67	66	75.9	Yes	Century Village
SB01	RSB01-106C	2	B	67	66	77.3	Yes	Century Village
SB01	RSB01-107A	2	B	67	66	64.8	No	Century Village
SB01	RSB01-107B	2	B	67	66	67.4	Yes	Century Village
SB01	RSB01-107C	2	B	67	66	68.2	Yes	Century Village
SB01	RSB01-108A	2	B	67	66	73.9	Yes	Century Village
SB01	RSB01-108B	2	B	67	66	75.9	Yes	Century Village
SB01	RSB01-108C	2	B	67	66	77.3	Yes	Century Village
SB01	RSB01-109A	6	B	67	66	60.0	No	Century Village
SB01	RSB01-109B	6	B	67	66	62.9	No	Century Village
SB01	RSB01-109C	6	B	67	66	64.3	No	Century Village
SB01	RSB01-110A	3	B	67	66	63.7	No	Century Village
SB01	RSB01-110B	3	B	67	66	66.4	Yes	Century Village
SB01	RSB01-110C	3	B	67	66	67.2	Yes	Century Village
SB01	RSB01-111A	3	B	67	66	71.0	Yes	Century Village

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
SB01	RSB01-111B	3	B	67	66	73.0	Yes	Century Village
SB01	RSB01-111C	3	B	67	66	74.1	Yes	Century Village
SB01	RSB01-112A	4	B	67	66	57.4	No	Century Village
SB01	RSB01-112B	4	B	67	66	60.6	No	Century Village
SB01	RSB01-112C	4	B	67	66	62.3	No	Century Village
SB01	RSB01-113A	2	B	67	66	58.7	No	Century Village
SB01	RSB01-113B	2	B	67	66	62.0	No	Century Village
SB01	RSB01-113C	2	B	67	66	63.2	No	Century Village
SB01	RSB01-114A	2	B	67	66	73.1	Yes	Century Village
SB01	RSB01-114B	2	B	67	66	75.1	Yes	Century Village
SB01	RSB01-114C	2	B	67	66	76.4	Yes	Century Village
SB01	RSB01-115A	4	B	67	66	62.6	No	Century Village
SB01	RSB01-115B	4	B	67	66	66.0	Yes	Century Village
SB01	RSB01-115C	4	B	67	66	67.3	Yes	Century Village
SB01	RSB01-116A	6	B	67	66	64.0	No	Century Village
SB01	RSB01-116B	6	B	67	66	67.2	Yes	Century Village
SB01	RSB01-116C	6	B	67	66	68.5	Yes	Century Village
SB01	RSB01-117A	2	B	67	66	67.0	Yes	Century Village
SB01	RSB01-117B	2	B	67	66	69.9	Yes	Century Village
SB01	RSB01-117C	2	B	67	66	70.8	Yes	Century Village
SB01	RSB01-118A	2	B	67	66	73.2	Yes	Century Village
SB01	RSB01-118B	2	B	67	66	75.3	Yes	Century Village
SB01	RSB01-118C	2	B	67	66	76.6	Yes	Century Village
SB01	RSB01-119A	6	B	67	66	58.3	No	Century Village
SB01	RSB01-119B	6	B	67	66	61.5	No	Century Village
SB01	RSB01-119C	6	B	67	66	62.7	No	Century Village
SB01	RSB01-119D	6	B	67	66	63.4	No	Century Village
SB01	RSB01-120A	6	B	67	66	59.0	No	Century Village
SB01	RSB01-120B	6	B	67	66	62.1	No	Century Village
SB01	RSB01-120C	6	B	67	66	63.3	No	Century Village
SB01	RSB01-120D	6	B	67	66	63.9	No	Century Village
SB01	RSB01-121A	6	B	67	66	58.0	No	Century Village
SB01	RSB01-121B	6	B	67	66	61.0	No	Century Village
SB01	RSB01-121C	6	B	67	66	62.4	No	Century Village
SB01	RSB01-121D	6	B	67	66	63.0	No	Century Village
SB01	RSB01-122A	6	B	67	66	58.6	No	Century Village
SB01	RSB01-122B	6	B	67	66	61.6	No	Century Village
SB01	RSB01-122C	6	B	67	66	63.0	No	Century Village
SB01	RSB01-122D	6	B	67	66	63.6	No	Century Village
SB01	RSB01-123A	6	B	67	66	59.0	No	Century Village
SB01	RSB01-123B	6	B	67	66	62.2	No	Century Village
SB01	RSB01-123C	6	B	67	66	63.4	No	Century Village
SB01	RSB01-123D	6	B	67	66	64.0	No	Century Village
SB01	RSB01-124A	6	B	67	66	57.8	No	Century Village
SB01	RSB01-124B	6	B	67	66	61.2	No	Century Village
SB01	RSB01-124C	6	B	67	66	62.5	No	Century Village
SB01	RSB01-124D	6	B	67	66	63.2	No	Century Village
SB02	RSB02-001	12	B	67	66	70.6	Yes	Whisper Walk
SB02	RSB02-002	8	B	67	66	69.3	Yes	Whisper Walk
SB02	RSB02-003	8	B	67	66	65.7	No	Whisper Walk
SB02	RSB02-004	12	B	67	66	56.2	No	Whisper Walk
SB02	RSB02-006	16	B	67	66	55.4	No	Whisper Walk
SB02	RSB02-007	10	B	67	66	61.0	No	Whisper Walk
SB02	RSB02-008	10	B	67	66	73.1	Yes	Whisper Walk
SB02	RSB02-009	20	B	67	66	67.1	Yes	Whisper Walk
SB02	RSB02-010	4	B	67	66	57.6	No	Whisper Walk
SB02	RSB02-011	10	B	67	66	59.2	No	Whisper Walk
SB02	RSB02-012	10	B	67	66	76.4	Yes	Whisper Walk
SB02	RSB02-013	4	B	67	66	61.9	No	Whisper Walk
SB02	RSB02-014	8	B	67	66	66.1	Yes	Whisper Walk
SB02	RSB02-015	8	B	67	66	75.9	Yes	Whisper Walk
SB02	RSB02-016	8	B	67	66	58.3	No	Whisper Walk
SB02	RSB02-017	16	B	67	66	73.7	Yes	Whisper Walk
SB02	RSB02-018	8	B	67	66	60.2	No	Whisper Walk
SB02	RSB02-019	16	B	67	66	60.0	No	Whisper Walk
SB02	RSB02-020	12	B	67	66	56.2	No	Whisper Walk

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
SB02	RSB02-021	8	B	67	66	73.8	Yes	Whisper Walk
SB02	RSB02-022	12	B	67	66	56.7	No	Whisper Walk
SB02	RSB02-023	16	B	67	66	73.5	Yes	Whisper Walk
SB02	RSB02-024	24	B	67	66	58.0	No	Whisper Walk
SB02	RSB02-026	16	B	67	66	54.8	No	Whisper Walk
SB02	RSB02-027	16	B	67	66	61.1	No	Whisper Walk
SB02	RSB02-028	12	B	67	66	56.2	No	Boca Azul
SB02	RSB02-029	12	B	67	66	61.7	No	Boca Azul
SB02	RSB02-030	6	B	67	66	61.3	No	Boca Azul
SB02	RSB02-031	4	B	67	66	56.0	No	Boca Azul
SB02	RSB02-032	8	B	67	66	61.3	No	Boca Azul
SB02	RSB02-033	9	B	67	66	71.2	Yes	Boca Azul
SB02	RSB02-034	15	B	67	66	60.1	No	Boca Azul
SB02	RSB02-035	10	B	67	66	71.2	Yes	Boca Azul
SB02	RSB02-036	6	B	67	66	64.0	No	Boca Azul
SB02	RSB02-037	3	B	67	66	63.2	No	Long Lake Estates
SB02	RSB02-038	3	B	67	66	76.5	Yes	Long Lake Estates
SB02	RSB02-039	1	B	67	66	68.8	Yes	Long Lake Estates
SB02	RSB02-040	4	B	67	66	59.1	No	Long Lake Estates
SB02	RSB02-041	3	B	67	66	60.4	No	Long Lake Estates
SB02	RSB02-042	4	B	67	66	74.4	Yes	Long Lake Estates
SB02	RSB02-043	4	B	67	66	66.5	Yes	Long Lake Estates
SB02	RSB02-044	4	B	67	66	72.7	Yes	Long Lake Estates
SB02	RSB02-045	3	B	67	66	66.4	Yes	Long Lake Estates
SB02	RSB02-046	7	B	67	66	62.2	No	Long Lake Estates
SB02	RSB02-047	2	B	67	66	72.7	Yes	Long Lake Estates
SB03	RSB03-001	1	B	67	66	71.0	Yes	Horseshoe Acres
SB03	RSB03-002	1	B	67	66	65.9	No	Horseshoe Acres
SB03	RSB03-003	1	B	67	66	61.9	No	Horseshoe Acres
SB03	RSB03-004	1	B	67	66	57.4	No	Horseshoe Acres
SB03	RSB03-005	1	B	67	66	61.7	No	Horseshoe Acres
SB03	RSB03-006	1	B	67	66	65.1	No	Horseshoe Acres
SB03	RSB03-007	1	B	67	66	71.3	Yes	Horseshoe Acres
SB03	RSB03-008	1	B	67	66	65.1	No	Horseshoe Acres
SB03	RSB03-009	1	B	67	66	70.8	Yes	Horseshoe Acres
SB03	RSB03-010	2	B	67	66	56.4	No	Horseshoe Acres
SB04	RSB04-001	2	B	67	66	66.9	Yes	The Bridges
SB04	RSB04-002	2	B	67	66	65.6	No	The Bridges
SB04	RSB04-003	2	B	67	66	64.5	No	The Bridges
SB04	RSB04-004	2	B	67	66	64.1	No	The Bridges
SB04	RSB04-005	2	B	67	66	62.9	No	The Bridges
SB04	RSB04-006	2	B	67	66	62.1	No	The Bridges
SB04	RSB04-007	2	B	67	66	68.2	Yes	The Bridges
SB04	RSB04-008	2	B	67	66	66.7	Yes	The Bridges
SB04	RSB04-009	2	B	67	66	68.9	Yes	The Bridges
SB04	RSB04-010	2	B	67	66	68.6	Yes	The Bridges
SB04	RSB04-011	2	B	67	66	67.2	Yes	The Bridges
SB04	RSB04-012	2	B	67	66	66.1	Yes	The Bridges
SB04	RSB04-013	2	B	67	66	62.1	No	The Bridges
SB04	RSB04-014	2	B	67	66	62.0	No	The Bridges
SB04	RSB04-015	2	B	67	66	63.8	No	The Bridges
SB04	RSB04-016	2	B	67	66	62.4	No	The Bridges
SB04	RSB04-017	2	B	67	66	62.0	No	The Bridges
SB04	RSB04-018	2	B	67	66	62.7	No	The Bridges
SB04	RSB04-019	2	B	67	66	62.6	No	The Bridges
SB04	RSB04-020	2	B	67	66	61.9	No	The Bridges
SB04	RSB04-021	2	B	67	66	60.4	No	The Bridges
SB04	RSB04-022	2	B	67	66	67.5	Yes	The Bridges
SB04	RSB04-023	2	B	67	66	68.8	Yes	The Bridges
SB04	RSB04-024	2	B	67	66	67.5	Yes	The Bridges
SB04	RSB04-025	2	B	67	66	67.9	Yes	The Bridges
SB04	RSB04-026	2	B	67	66	68.9	Yes	The Bridges
SB04	RSB04-027	2	B	67	66	67.6	Yes	The Bridges
SB04	RSB04-028	2	B	67	66	66.9	Yes	The Bridges
SB04	RSB04-029	2	B	67	66	66.4	Yes	The Bridges
SB04	RSB04-030	2	B	67	66	68.1	Yes	The Bridges

Appendix B-1 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
SB04	RSB04-031	2	B	67	66	66.9	Yes	The Bridges
SB04	RSB04-032	2	B	67	66	65.4	No	The Bridges
SB04	RSB04-033	2	B	67	66	63.6	No	The Bridges
SB04	RSB04-034	2	B	67	66	62.2	No	The Bridges
SB04	RSB04-035	2	B	67	66	60.8	No	The Bridges
SB04	RSB04-036	2	B	67	66	66.2	Yes	The Bridges
SB04	RSB04-037	2	B	67	66	67.8	Yes	The Bridges
SB04	RSB04-038	2	B	67	66	66.6	Yes	The Bridges
SB04	RSB04-039	2	B	67	66	64.6	No	The Bridges
SB04	RSB04-040	2	B	67	66	62.9	No	The Bridges
SB04	RSB04-041	2	B	67	66	61.3	No	The Bridges
SB04	RSB04-042	2	B	67	66	59.7	No	The Bridges
SB04	RSB04-043	2	B	67	66	65.6	No	The Bridges
SB04	RSB04-044	2	B	67	66	66.4	Yes	The Bridges
SB04	RSB04-045	2	B	67	66	64.8	No	The Bridges
SB04	RSB04-046	2	B	67	66	62.8	No	The Bridges
SB04	RSB04-047	2	B	67	66	61.7	No	The Bridges
SB04	RSB04-048	2	B	67	66	67.2	Yes	The Bridges
SB04	RSB04-049	2	B	67	66	66.5	Yes	The Bridges
SB04	RSB04-050	2	B	67	66	66.3	Yes	The Bridges
SB04	RSB04-051	2	B	67	66	66.0	Yes	The Bridges
SB04	RSB04-052	2	B	67	66	66.6	Yes	The Bridges
SB04	RSB04-053	2	B	67	66	65.3	No	The Bridges
SB04	RSB04-054	2	B	67	66	64.5	No	The Bridges
SB04	RSB04-055	2	B	67	66	62.5	No	The Bridges
SB04	RSB04-056	2	B	67	66	61.6	No	The Bridges
SB04	RSB04-057	2	B	67	66	61.9	No	The Bridges
SB04	RSB04-058	2	B	67	66	62.3	No	The Bridges
SB04	RSB04-059	2	B	67	66	62.3	No	The Bridges
SB04	RSB04-060	2	B	67	66	62.3	No	The Bridges
SB04	RSB04-061	2	B	67	66	61.5	No	The Bridges
SB04	RSB04-062	2	B	67	66	65.7	No	The Bridges
SB04	RSB04-063	2	B	67	66	67.0	Yes	The Bridges
SB04	RSB04-064	2	B	67	66	65.5	No	The Bridges
SB04	RSB04-065	2	B	67	66	63.9	No	The Bridges
SB04	RSB04-066	2	B	67	66	62.0	No	The Bridges
SB04	RSB04-067	2	B	67	66	60.7	No	The Bridges



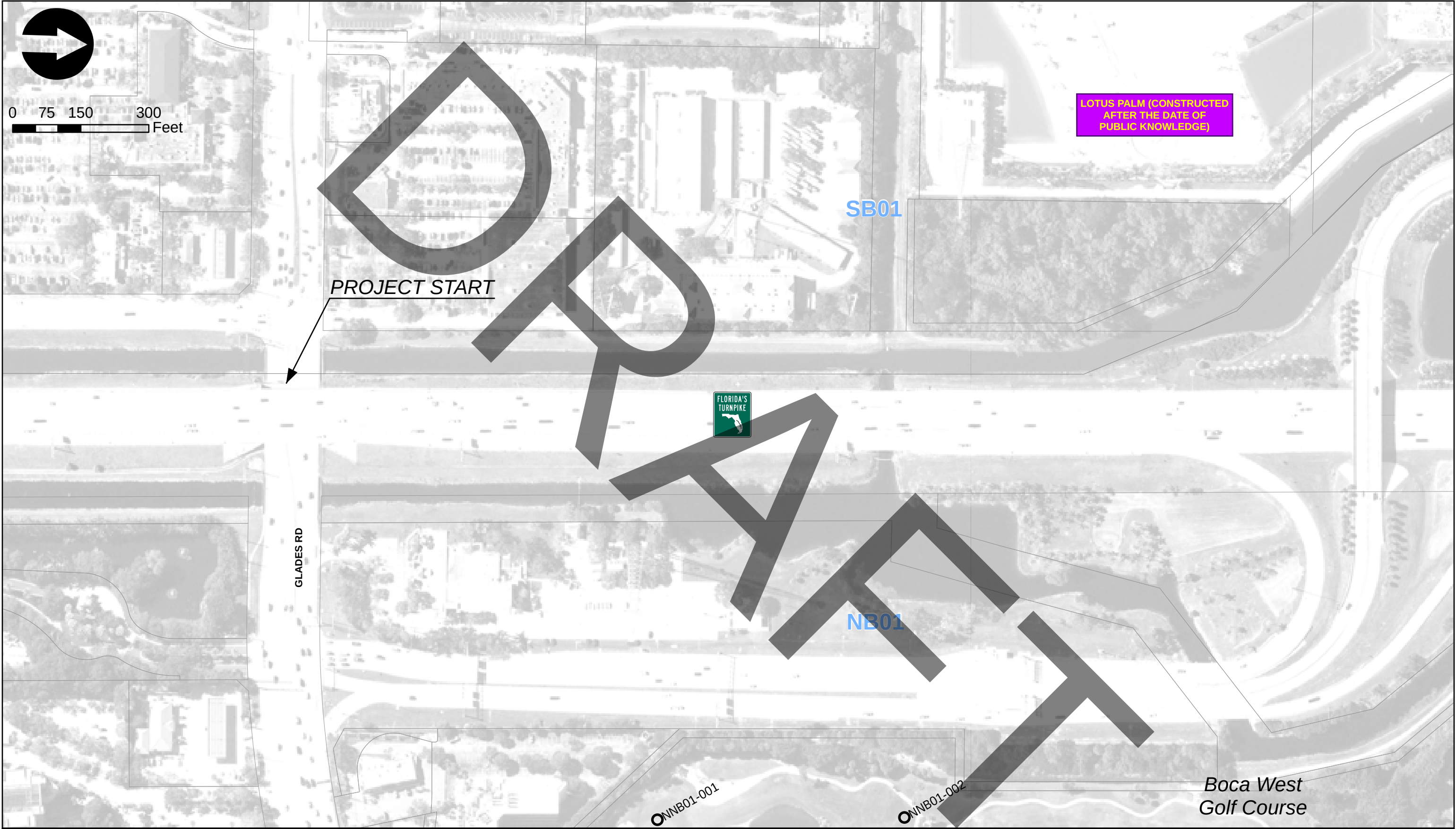
Appendix B-2 – Special Land Use Sites

Predicted Noise Levels

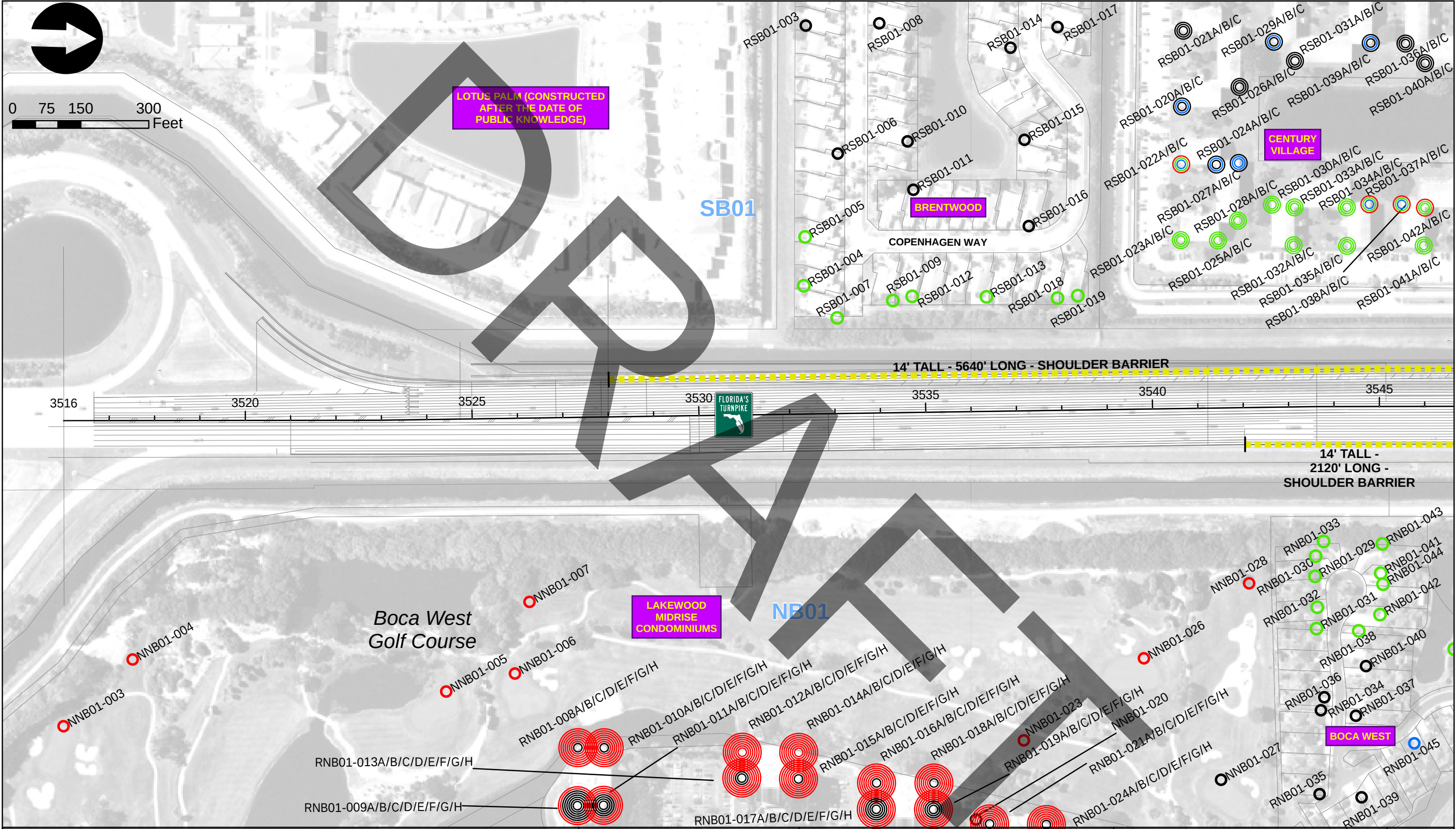
Appendix B-2 Predicted Noise Levels

Common Noise Environment (CNE)	Rec. Point	No. of Units	NAC	NAC Criteria (dBA)	FDOT Criteria (dBA)	2053 Build LAeq1h (dBA)	NAC Approach or Exceeded	Description
XX.X	Impacted Receptor							
NB01	NNB01-001	1.26	C	67	66	64.2	No	Boca West Golf Course
NB01	NNB01-002	1.26	C	67	66	65.8	No	Boca West Golf Course
NB01	NNB01-003	1.26	C	67	66	66.0	Yes	Boca West Golf Course
NB01	NNB01-004	1.26	C	67	66	69.5	Yes	Boca West Golf Course
NB01	NNB01-005	1.26	C	67	66	68.2	Yes	Boca West Golf Course
NB01	NNB01-006	1.26	C	67	66	70.4	Yes	Boca West Golf Course
NB01	NNB01-007	1.26	C	67	66	73.4	Yes	Boca West Golf Course
NB01	NNB01-020	1.75	C	67	66	63.4	No	Lakewood Midrise Condominiums Pool
NB01	NNB01-023	1.26	C	67	66	67.3	Yes	Boca West Golf Course
NB01	NNB01-026	1.26	C	67	66	70.7	Yes	Boca West Golf Course
NB01	NNB01-027	1.26	C	67	66	64.2	No	Boca West Golf Course
NB01	NNB01-028	1.26	C	67	66	73.0	Yes	Boca West Golf Course
NB01	NNB01-046	1.26	C	67	66	69.4	Yes	Boca West Golf Course
NB01	NNB01-048	1.26	C	67	66	73.8	Yes	Boca West Golf Course
NB01	NNB01-055	1.26	C	67	66	73.6	Yes	Boca West Golf Course
NB01	NNB01-056	1.26	C	67	66	75.6	Yes	Boca West Golf Course
NB01	NNB01-064	1.26	C	67	66	69.4	Yes	Boca West Golf Course
NB01	NNB01-065	1.26	C	67	66	73.6	Yes	Boca West Golf Course
NB01	NNB01-077	1.26	C	67	66	73.6	Yes	Boca West Golf Course
NB01	NNB01-078	1.26	C	67	66	68.8	Yes	Boca West Golf Course
NB01	NNB01-083	1.26	C	67	66	67.9	Yes	Boca West Golf Course
NB01	NNB01-085	1.26	C	67	66	69.5	Yes	Boca West Golf Course
NB02	NNB02-001	1.26	C	67	66	67.9	Yes	Woodfield Golf Course
NB02	NNB02-003	1.26	C	67	66	74.3	Yes	Woodfield Golf Course
NB02	NNB02-005	1.26	C	67	66	60.4	No	Woodfield Golf Course
NB02	NNB02-011	1.26	C	67	66	74.9	Yes	Woodfield Golf Course
NB02	NNB02-015	1.26	C	67	66	73.5	Yes	Woodfield Golf Course
NB02	NNB02-018	1.75	C	67	66	56.2	No	Cambridge Park Community Pool
NB02	NNB02-025	1.26	C	67	66	58.3	No	Woodfield Golf Course
NB02	NNB02-026	1.26	C	67	66	63.4	No	Woodfield Golf Course
NB02	NNB02-057	1.75	C	67	66	65.5	No	Woodfield Community Pool
NB03	NNB03-001	1.1	C	67	66	73.2	Yes	St Andrews Golf Course
NB03	NNB03-002	1.1	C	67	66	62.7	No	St Andrews Golf Course
NB03	NNB03-006	1.1	C	67	66	71.1	Yes	St Andrews Golf Course
NB03	NNB03-007	1.1	C	67	66	60.6	No	St Andrews Golf Course
NB03	NNB03-010	1.1	C	67	66	74.8	Yes	St Andrews Golf Course
NB03	NNB03-012	1.1	C	67	66	65.0	No	St Andrews Golf Course
NB03	NNB03-015	1.1	C	67	66	75.4	Yes	St Andrews Golf Course
NB03	NNB03-016	1.1	C	67	66	64.6	No	St Andrews Golf Course
NB03	NNB03-019	1.1	C	67	66	69.2	Yes	St Andrews Golf Course
NB03	NNB03-020	1.1	C	67	66	60.8	No	St Andrews Golf Course
NB03	NNB03-021	1.1	C	67	66	74.7	Yes	St Andrews Golf Course
NB03	NNB03-024	1.1	C	67	66	60.5	No	St Andrews Golf Course
NB03	NNB03-027	1.1	C	67	66	75.5	Yes	St Andrews Golf Course
NB03	NNB03-029	1.1	C	67	66	75.0	Yes	St Andrews Golf Course
NB03	NNB03-032	1.1	C	67	66	61.4	No	St Andrews Golf Course
NB03	NNB03-033	1.1	C	67	66	59.5	No	St Andrews Golf Course
NB03	NNB03-036	1.1	C	67	66	74.8	Yes	St Andrews Golf Course
NB03	NNB03-037	1.1	C	67	66	71.8	Yes	St Andrews Golf Course
SB01	NSB01-063	1.75	C	67	66	64.4	No	Century Village Pool
SB01	NSB01-076	1.75	C	67	66	64.8	No	Century Village Pool
SB02	NSB02-005	1.75	C	67	66	76.7	Yes	Whisper Walk Pool
SB02	NSB02-025	1.75	C	67	66	68.2	Yes	Whisper Walk Pool

Appendix C
Project Aerials

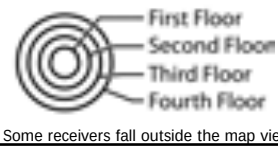


Impacted - Benefited Impacted - Not Benefited Not Impacted - Benefited Not Impacted - Not Benefited	Shoulder Barriers (Proposed) Common Noise Environment	First Floor Second Floor Third Floor Fourth Floor Some receivers fall outside the map view.	NOISE SPECIALIST		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NOISE STUDY REPORT PROJECT AERIALS Florida's Turnpike from Glades Road to L-38 Canal	Sheet No. 1
			Jeff Jones, GISP. Ardurra 3452 Lake Lynda Dr, Orlando, Florida 32817 P 407.971.8850		ROAD	COUNTY	FINANCIAL PROJECT ID		
					91	PALM BEACH	417132-1-32-01		



- Impacted - Benefited
- Impacted - Not Benefited
- Not Impacted - Benefited
- Not Impacted - Not Benefited

- ▬ Shoulder Barriers (Proposed)
- Common Noise Environment



NOISE SPECIALIST

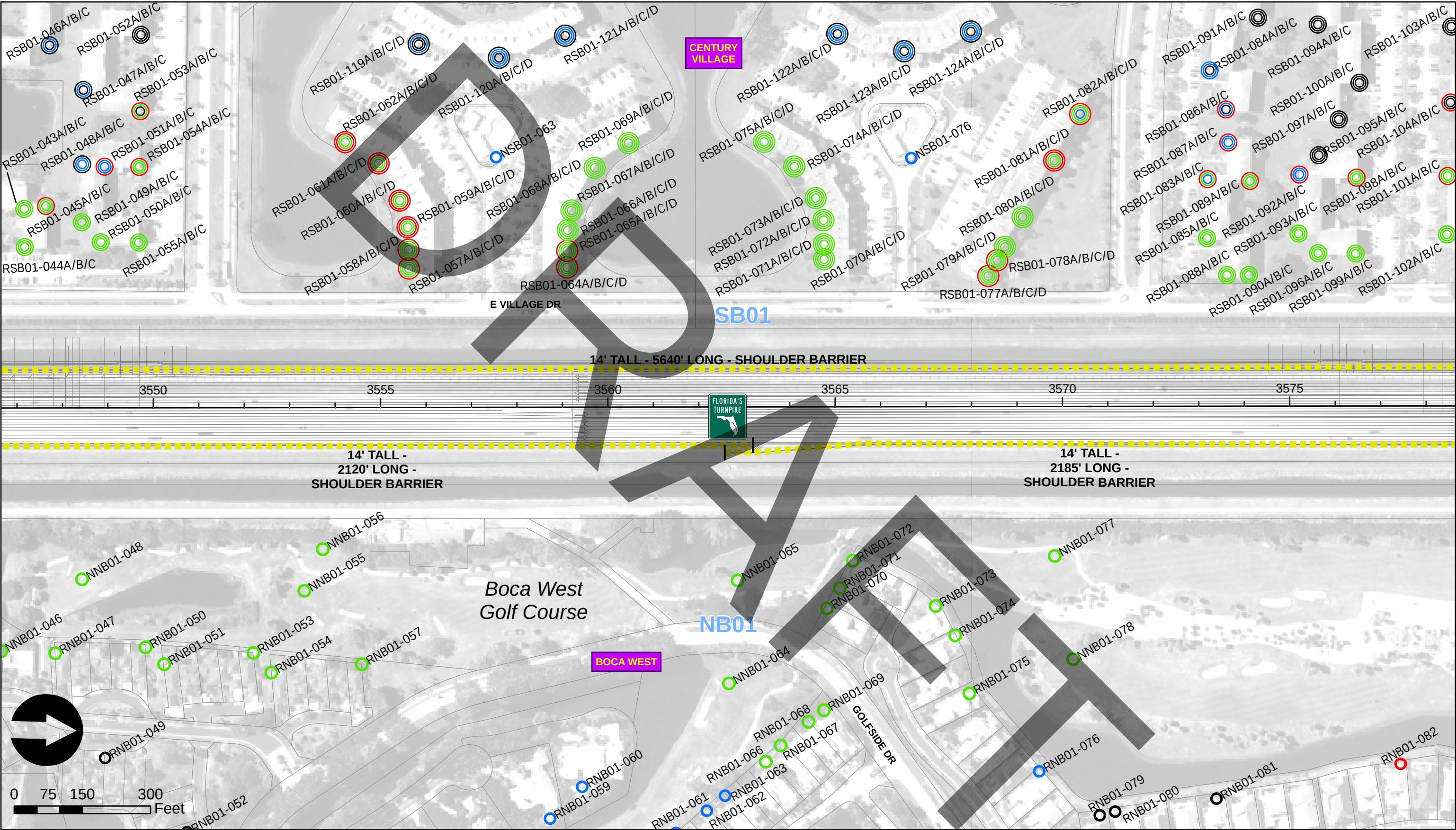
Jeff Jones, GISP.
Ardurra
3452 Lake Lynda Dr.
Orlando, Florida 32817
P 407.971.8850

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	FINANCIAL PROJECT ID
91	PALM BEACH	417132-1-32-01

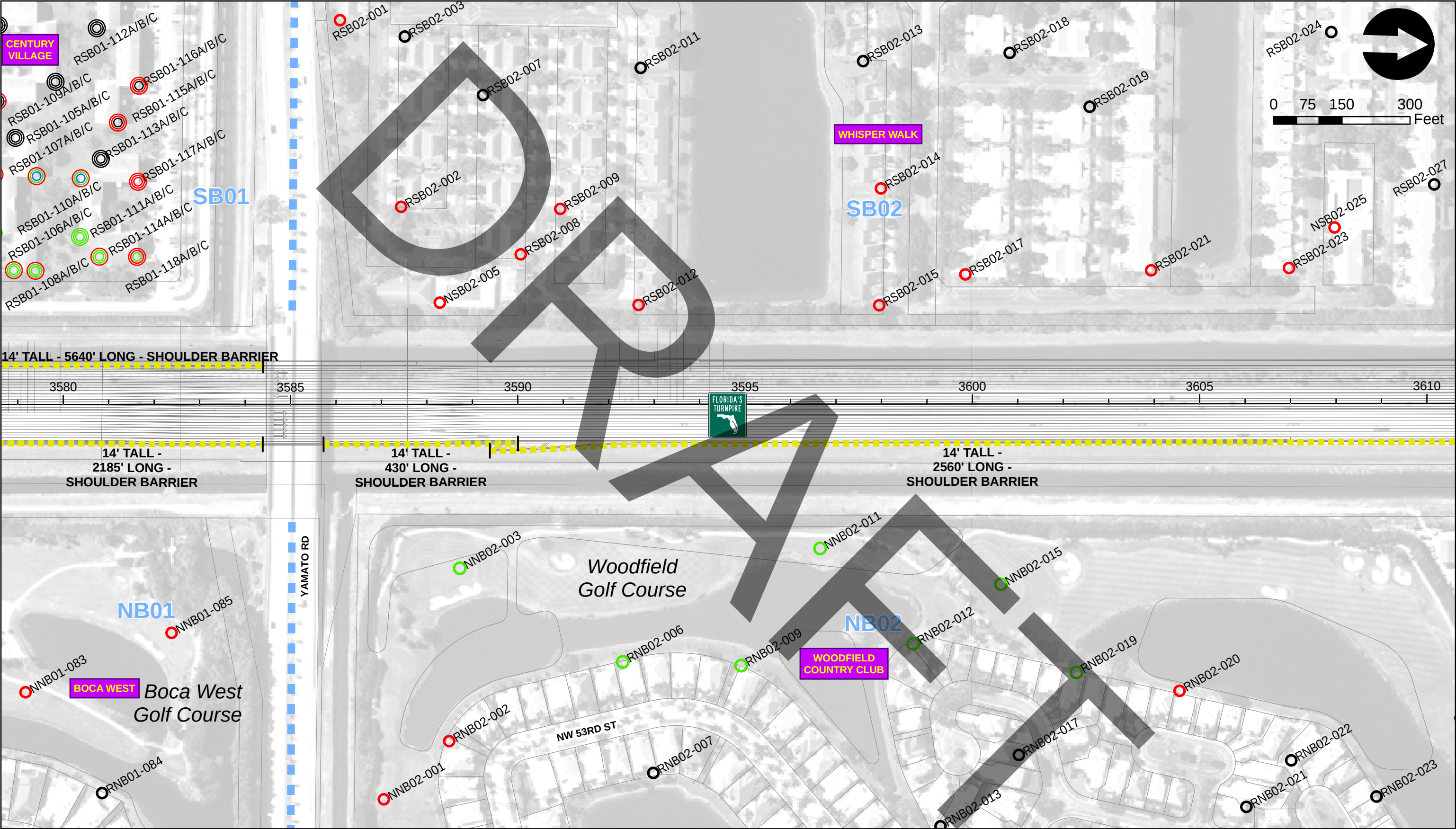
**NOISE STUDY REPORT
PROJECT AERIALS**
Florida's Turnpike from
Glades Road to L-38 Canal

**Sheet
No.**

2

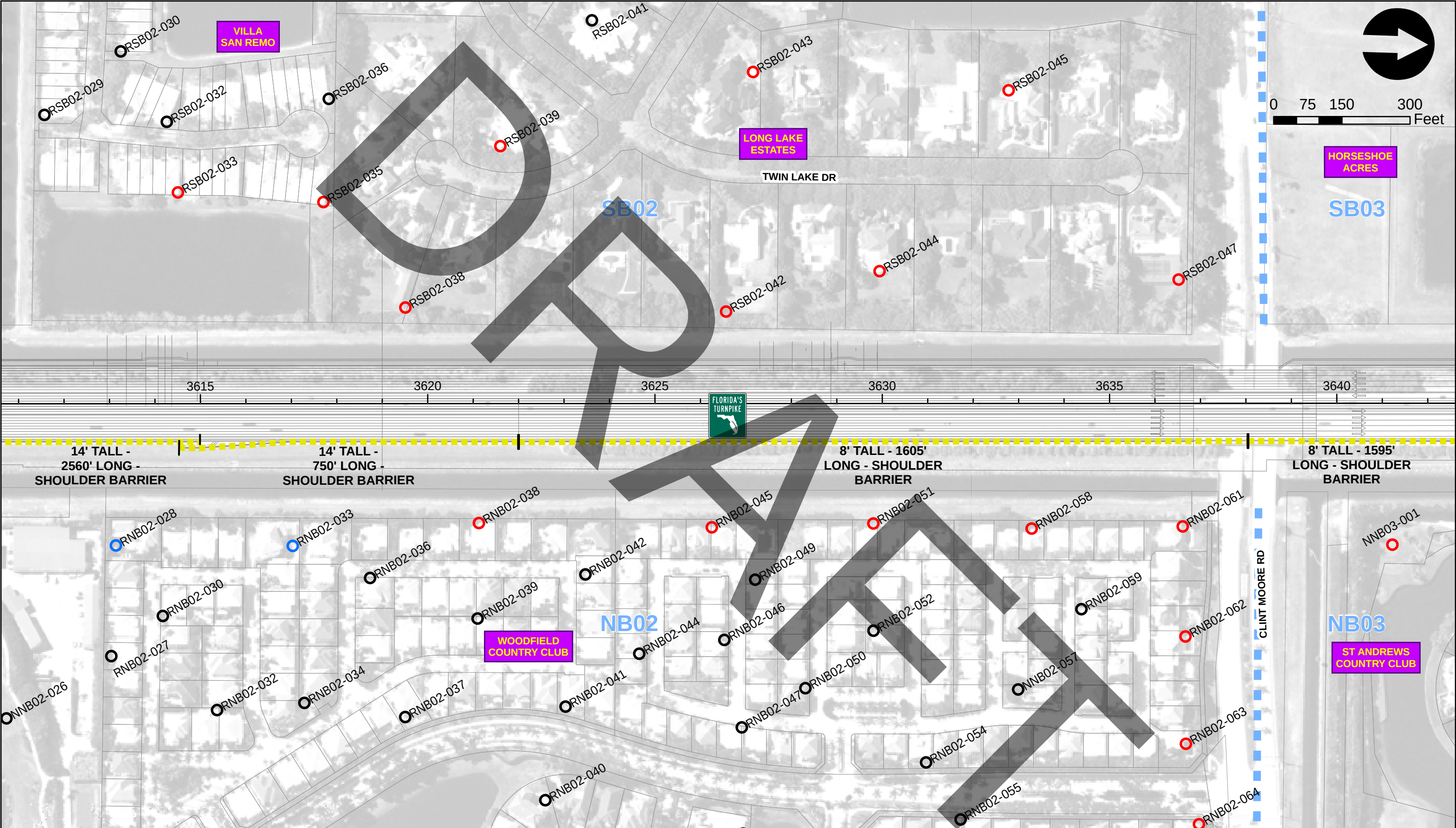


Impacted - Benefited Impacted - Not Benefited Not Impacted - Benefited Not Impacted - Not Benefited	Shoulder Barriers (Proposed) Common Noise Environment	First Floor Second Floor Third Floor Fourth Floor Some receivers fall outside the map view.
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Impacted - Benefited Impacted - Not Benefited Not Impacted - Benefited Not Impacted - Not Benefited	Shoulder Barriers (Proposed) Common Noise Environment	First Floor Second Floor Third Floor Fourth Floor
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Some receivers fall outside the map view.



Impacted - Benefited

Impacted - Not Benefited

Not Impacted - Benefited

Not Impacted - Not Benefited

Shoulder Barriers (Proposed)

Common Noise Environment

First Floor

Second Floor

Third Floor

Fourth Floor

Some receivers fall outside the map view.

NOISE SPECIALIST

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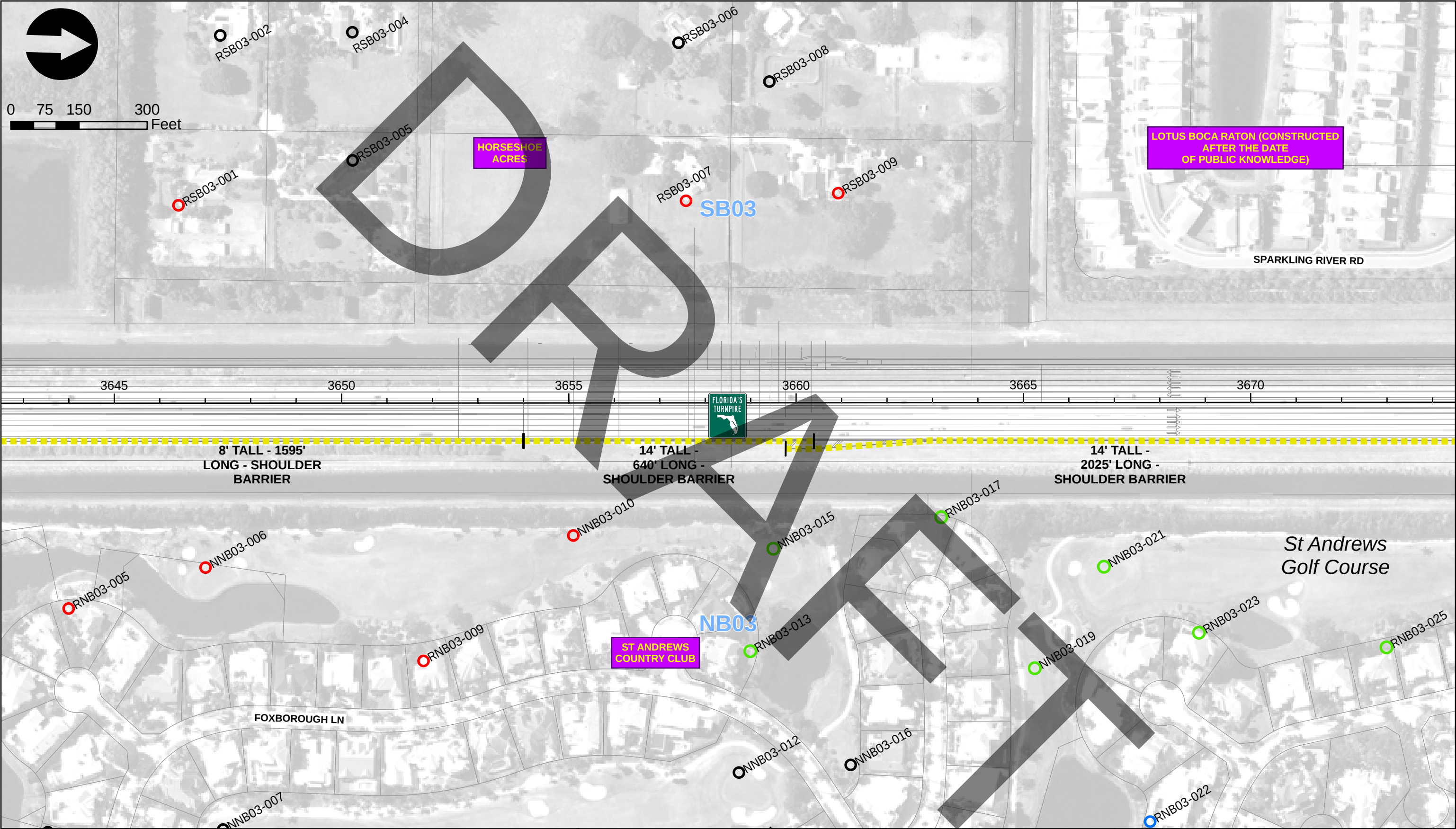
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD	COUNTY	FINANCIAL PROJECT ID
91	PALM BEACH	417132-1-32-01

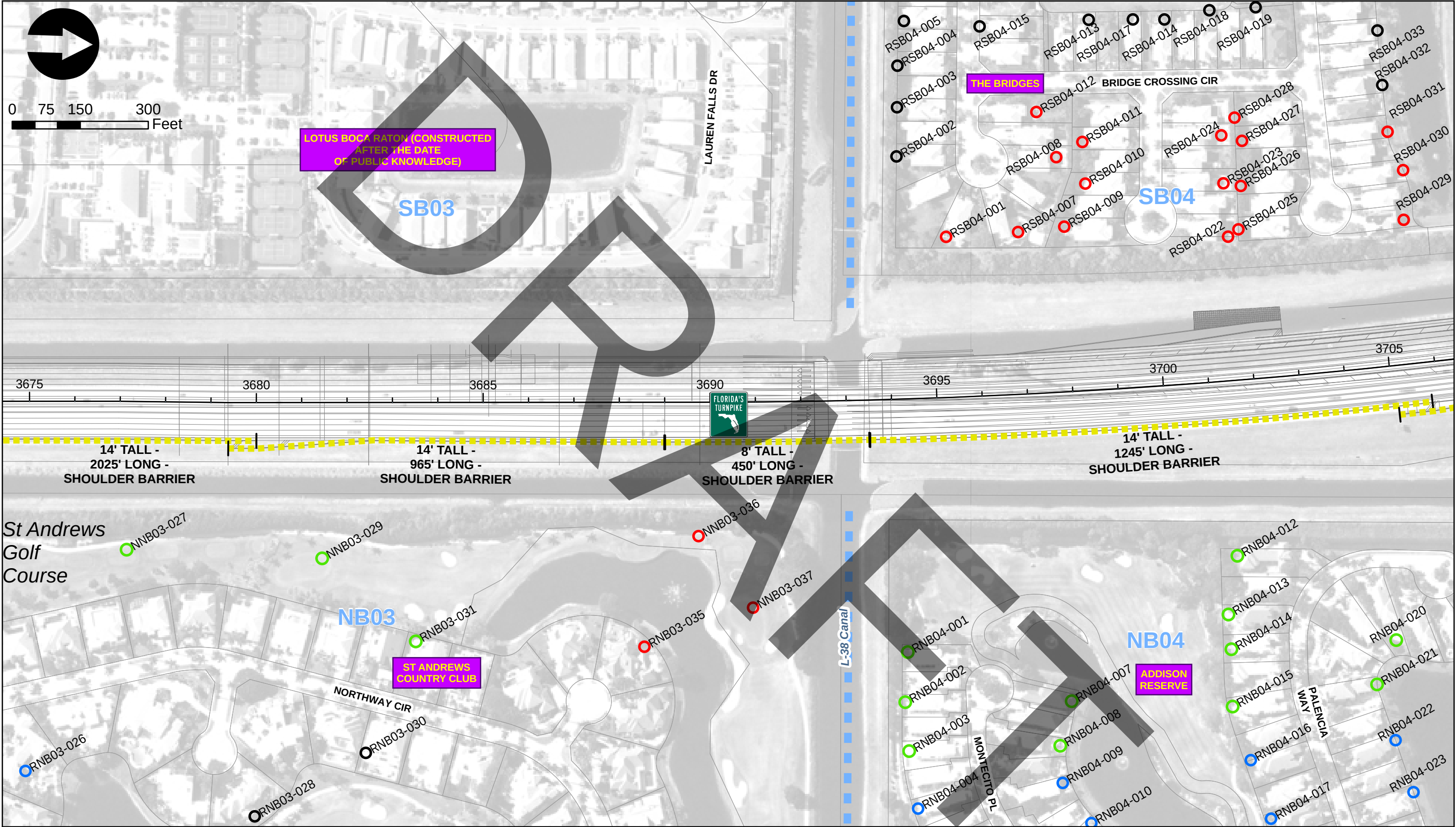
NOISE STUDY REPORT
PROJECT AERIALS
Florida's Turnpike from
Glades Road to L-38 Canal

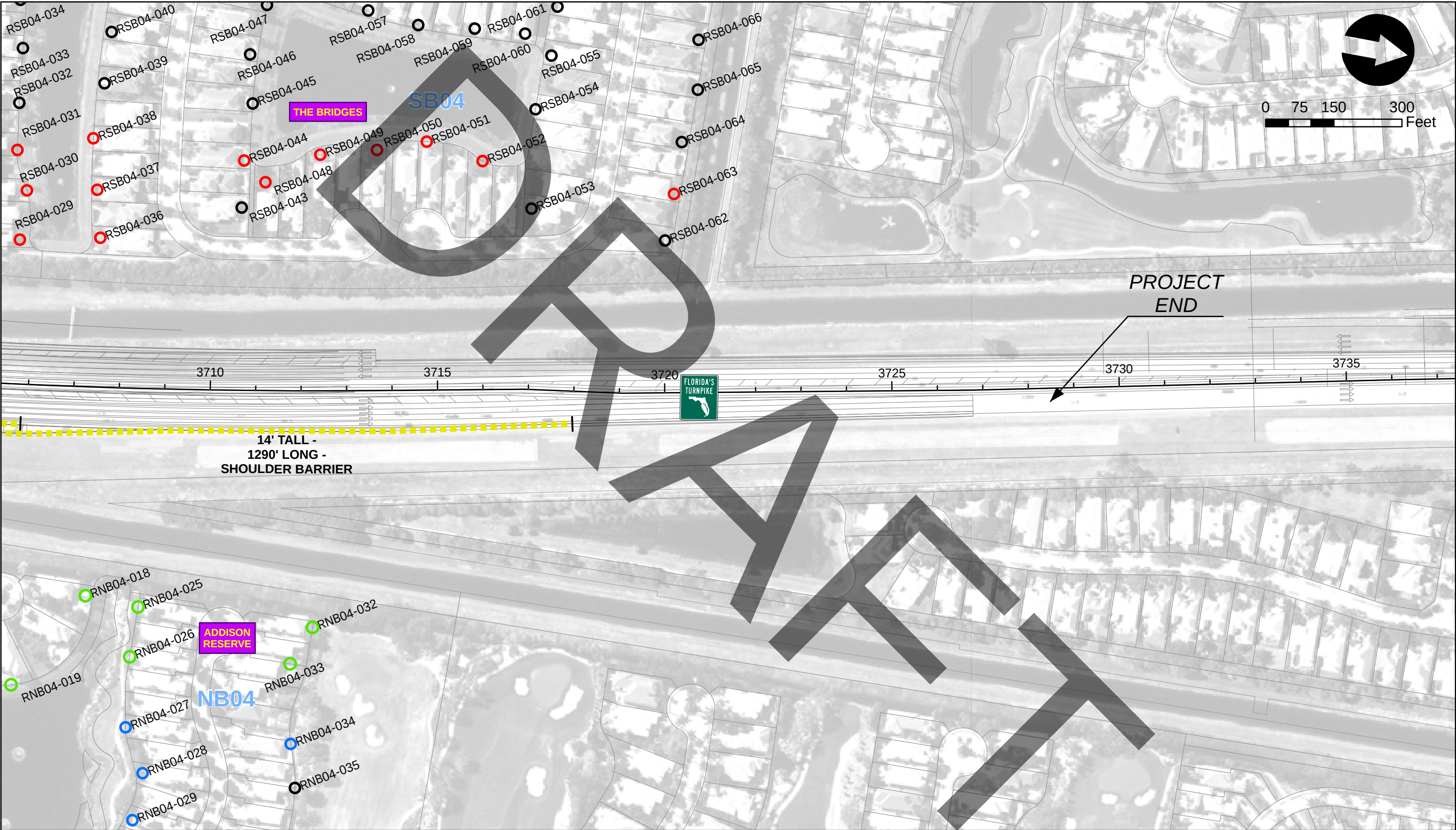
Sheet
No.

5



Impacted - Benefited Impacted - Not Benefited Not Impacted - Benefited Not Impacted - Not Benefited	Shoulder Barriers (Proposed) Common Noise Environment	First Floor Second Floor Third Floor Fourth Floor Some receivers fall outside the map view.
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Impacted - Benefited Impacted - Not Benefited Not Impacted - Benefited Not Impacted - Not Benefited Shoulder Barriers (Proposed) Common Noise Environment	First Floor Second Floor Third Floor Fourth Floor Some receivers fall outside the map view.	NOISE SPECIALIST Jeff Jones, GISP. Ardurra 3452 Lake Lynda Dr, Orlando, Florida 32817 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table><tr><td>ROAD</td><td>COUNTY</td><td>FINANCIAL PROJECT ID</td></tr><tr><td>91</td><td>PALM BEACH</td><td>417132-1-32-01</td></tr></table>	ROAD	COUNTY	FINANCIAL PROJECT ID	91	PALM BEACH	417132-1-32-01	NOISE STUDY REPORT PROJECT AERIALS Florida's Turnpike from Glades Road to L-38 Canal	Sheet No. 8
ROAD	COUNTY	FINANCIAL PROJECT ID									
91	PALM BEACH	417132-1-32-01									

Appendix D
Special Land Use
Equivalent Residence Worksheets

SLU NAME		NB01.01	
SLU DESCRIPTION		Boca 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 (12 holes * 4 groups/hour * 4 golfers/group * 8.5 hours/day = 1,632 person-hours)	1,632
	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	594,048
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	26.39
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	21
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.26

SLU NAME		NB01.02	
SLU DESCRIPTION		Lakewood Community 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		NB02.01	
SLU DESCRIPTION		Woodfield 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 (4 holes * 4 groups/hour * 4 golfers/group * 8.5 hours/day = 544 person-hours)	544
	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	198,016
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	8.80
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	7
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.26

SLU NAME		NB02.02	
SLU DESCRIPTION		Cambridge Park Community 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		NB02.03	
SLU DESCRIPTION		Woodfield Community 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		NB03.01	
SLU DESCRIPTION		St Andrews 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 (9 holes * 4 groups/hour * 4 golfers/group * 8.5 hours/day = 1,224 person-hours)	1,224
	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	445,536
SLU Area Evaluated Equivalent Residence (ER)			
A3	a	Equivalent Residence (ER)	19.79
SLU Receptor Equivalent Residence (ER)			
A4	a	Identify the number of receptors evaluated at the SLU	18
	b	Individual Receptor Equivalent Residence (i.e., each receptor point evaluated is worth...)	1.10

SLU NAME		SB01.01	
SLU DESCRIPTION		Century Village Community Pool 1	
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		SB01.02	
SLU DESCRIPTION		Century Village Community Pool 2	
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		SB02.01	
SLU DESCRIPTION		Whisper Walk Community Pool 1	
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		SB02.02	
SLU DESCRIPTION		Whisper Walk Community Pool 2	
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