

Design NOISE STUDY REPORT

**WIDEN FLORIDA'S TURNPIKE (SR 91) FROM THE WEST PALM BEACH SERVICE
PLAZA TO SOUTHERN BLVD. (MP 94 – 98)**

406143-5

&

**WIDEN FLORIDA'S TURNPIKE (SR 91) FROM SOUTHERN BLVD. TO OKEECHOBEE
BLVD. (MP 98 – 101)**

406143-8

**PALM BEACH COUNTY, FLORIDA
FLORIDA'S TURNPIKE ENTERPRISE**

Financial Project ID No.: 435461-1

Prepared for:



Florida's Turnpike Enterprise

February 2023

Design NOISE STUDY REPORT

**WIDEN FLORIDA'S TURNPIKE (SR 91) FROM THE WEST PALM BEACH SERVICE
PLAZA TO SOUTHERN BLVD. (MP 94 – 98)**

406143-5

&

**WIDEN FLORIDA'S TURNPIKE (SR 91) FROM SOUTHERN BLVD. TO OKEECHOBEE
BLVD. (MP 98 – 101)**

406143-8

**PALM BEACH COUNTY, FLORIDA
FLORIDA'S TURNPIKE ENTERPRISE**

Financial Project ID No.: 435461-1

Prepared for:



Florida's Turnpike Enterprise

Prepared by:

**Atkins North America, Inc.
4030 West Boy Scout Boulevard
Suite 700
Tampa, Florida 33607**

February 2023

EXECUTIVE SUMMARY

The Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise is planning to widen the Florida's Turnpike Mainline (SR 91) from the West Palm Beach Service Plaza to north of Okeechobee Boulevard (SR 704) in Palm Beach County. The project will provide additional capacity, enhance safety, and accommodate future traffic volumes resulting from increased population in Palm Beach County. The project covers approximately seven miles of the Turnpike Mainline (SR 91). The proposed improvements include widening this segment to increase the number of lanes from four to eight lanes. Work includes pavement widening, reconstruction, milling and resurfacing, bridge improvements/replacements, and stormwater drainage improvements.

This Design phase noise study includes a traffic noise analysis for residential and special land use areas (i.e., non-residential) in the project area. The traffic noise study is completed in accordance with Title 23, Code of Federal Regulations, Part 772 (23 CFR 772), *Procedures for Abatement of Highway Traffic Noise and Construction Noise* following methodology and procedures established by the FDOT in the *PD&E Manual*, Part 2, Chapter 18. The purpose of this noise study is to identify noise sensitive sites that would be impacted by the Design, evaluate abatement measures at impacted noise sensitive sites, and determine where noise abatement (i.e., noise barriers) needs to be included in the Design plans.

Traffic noise levels were predicted at 1,081 receptor points representing 1,461 residences and three special land uses. For Design Year (2045) conditions, traffic noise levels are predicted to approach, meet, or exceed the Noise Abatement Criteria (NAC) at 768 residences and three special land uses (SLUs). These impacted residences and special land uses were further evaluated to determine the feasibility and cost reasonableness of providing noise barriers to reduce traffic noise.

The noise barrier evaluation found that noise barriers are reasonable and feasible at 7 locations. The barrier engineering review found no issues with the construction of the recommended noise barriers. Therefore, these noise barriers are recommended to be included in the Design Plans and are shown in **Appendix C**. The seven locations noise barriers are recommended are:

- Pine Hollow and Possum Pass
- Residences from Jog Rd. to Okeechobee Blvd. (Meadowbrook and Brookdale)
- Century Village
- Palm Beach Central High School
- Wendy Ln. to 7th Place and Woodslanding
- Emerald Dunes
- Renaissance and The Cove I & II at Briar Bay

Noise barriers were found to not be feasible and reasonable at two impacted locations (Villagewalk of Wellington and Terracina). At Villagewalk of Wellington, a shoulder mounted barrier did not achieve the noise reduction design goal (NRDG) and therefore was not considered further. The required noise reduction was likely not achieved because a 6-foot neighborhood wall mounted on top of a berm already reduces some of the noise at this community. Residences in Terracina are impacted from traffic noise from the portion of Belvedere Rd. which is not being modified for this project, and which is outside of the

construction limits. Therefore, a noise barrier could not be constructed within the Florida's Turnpike's Right-of-Way (ROW) to mitigate these impacts and was not considered for these residences.

DRAFT

TABLE OF CONTENTS

Section	Title	Page
EXECUTIVE SUMMARY.....		i
TABLE OF CONTENTS.....		iii
LIST OF TABLES.....		iv
LIST OF FIGURES.....		iv
ACRONYMS.....		v
SECTION 1 INTRODUCTION.....		1-1
1.1 Project Description.....		1-1
1.2 Summary of PD&E Results and Commitments.....		1-3
1.2.1 Date of Public Knowledge.....		1-4
SECTION 2 METHODOLOGY.....		2-1
2.1 Noise Metrics.....		2-1
2.2 Traffic Data.....		2-1
2.3 Noise Abatement Criteria.....		2-1
2.4 Noise Abatement Measures.....		2-4
2.4.1 Special Land Uses.....		2-5
2.5 Existing Noise Barriers.....		2-6
SECTION 3 TRAFFIC NOISE ANALYSIS.....		3-1
3.1 Predicted Noise Levels and Abatement Analysis.....		3-1
3.1.1 Noise Sensitive Sites – East of Florida’s Turnpike.....		3-1
3.1.1.1 Residences in the Palm Beach National Golf and Country Club.....		3-1
3.1.1.2 Pine Hollow and Possum Pass.....		3-1
3.1.1.3 Terracina.....		3-2
3.1.1.4 Residences from Jog Rd. to Okeechobee Blvd. (Meadowbrook Mobile Home Park and Brookdale at West Palm Beach).....		3-2
3.1.1.5 Century Village.....		3-3
3.1.2 Noise Sensitive Sites – West of Florida’s Turnpike.....		3-3
3.1.2.1 Palm Beach Ranchettes.....		3-3
3.1.2.2 Villagewalk of Wellington.....		3-3
3.1.2.3 Palm Beach Central High School.....		3-4
3.1.2.4 Residences from Wendy Lane to Southern Blvd. (Banyan Lakes, Quiet Waters, Woodslanding, Sequoia, additional residences, and Kid Sanctuary).....		3-5
3.1.2.5 Feather Rock.....		3-5
3.1.2.6 Emerald Dunes Condominiums.....		3-6
3.1.2.7 Emerald Dunes Golf Course.....		3-6
3.1.2.8 Renaissance and The Cove I & II at Briar Bay.....		3-6
3.1.2.9 Grassy Waters Elementary.....		3-7
SECTION 4 CONCLUSION.....		4-1

FPID 406143-5 and 406143-8 Widen Florida’s Turnpike (SR 91) from the West Palm Beach Service Plaza to Okeechobee Blvd. (MP 94 – 101)
Design Noise Study Report

SECTION 5 CONSTRUCTION NOISE AND VIBRATION	5-1
SECTION 6 COMMUNITY COORDINATION	6-1
SECTION 7 REFERENCES	7-1

APPENDICES

Appendix A	Traffic Data
Appendix B	Predicted Noise Levels
Appendix C	Project Aerials
Appendix D	Engineering Review Sheets
Appendix E	TNM Modeling Files (Provided in Project Files)

LIST OF TABLES

Table	Title	Page
Table 1	2008 PD&E Feasible and Cost Reasonable Evaluation of Noise Barriers	1-3
Table 2	FHWA Noise Abatement Criteria	2-3
Table 3	Typical Noise Levels	2-4
Table 4	Reasonable and Feasible Noise Barriers	4-2

LIST OF FIGURES

Table	Title	Page
Figure 1	Project Location Map	1-2

ACRONYMS

CFR	Code of Federal Regulations
CBD	Central Business District
CNE	Common Noise Environment
dB	Decibels
dB(A)	A-weighted decibels
FDOT	Florida Department of Transportation
FHWA	Federal Highway Administration
Ft	Feet
FGT	Florida Gas and Transmission Company
FTE	Florida's Turnpike Enterprise
LOS	Level of Service
MP	Mile Post
MSE	Mechanically Stabilized Earth
NAC	Noise Abatement Criteria
NEPA	National Environmental Policy Act
NRDG	Noise Reduction Design Goal
PD&E	Project Development and Environment
ROW	Right-of-way
SR	State Road
TIP	Transportation Improvement Program
TNM	Traffic Noise Model

SECTION 1

INTRODUCTION

The Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise is planning to widen the Florida's Turnpike (Turnpike) Mainline (SR 91) from the West Palm Beach Service Plaza to north of Okeechobee Boulevard (SR 704) in Palm Beach County (**Figure 1**).

This Traffic Noise Evaluation is completed in accordance with Title 23, Code of Federal Regulations, Part 772 (23 CFR 772), *Procedures for Abatement of Highway Traffic Noise and Construction Noise* following methodology and procedures established by the FDOT in the Project Development and Environment (*PD&E Manual*, Part 2, Chapter 18 (*Highway Traffic Noise*)). The purpose of this traffic noise study is to identify noise sensitive sites that would be impacted by the proposed project, evaluate abatement measures at impacted noise sensitive sites, and determine where noise abatement (i.e., noise barriers) needs to be included in the design plans.

1.1 Project Description

The project will provide additional capacity, enhance safety, and accommodate future traffic volumes resulting from increased population in Palm Beach County. The project covers approximately seven miles of the Turnpike Mainline (SR 91). The proposed improvements include widening this segment to increase the number of lanes from four to eight lanes. Work includes pavement widening, reconstruction, milling and resurfacing, bridge improvements/replacements, and stormwater drainage improvements.

Land use in the area generally includes residential and commercial areas.

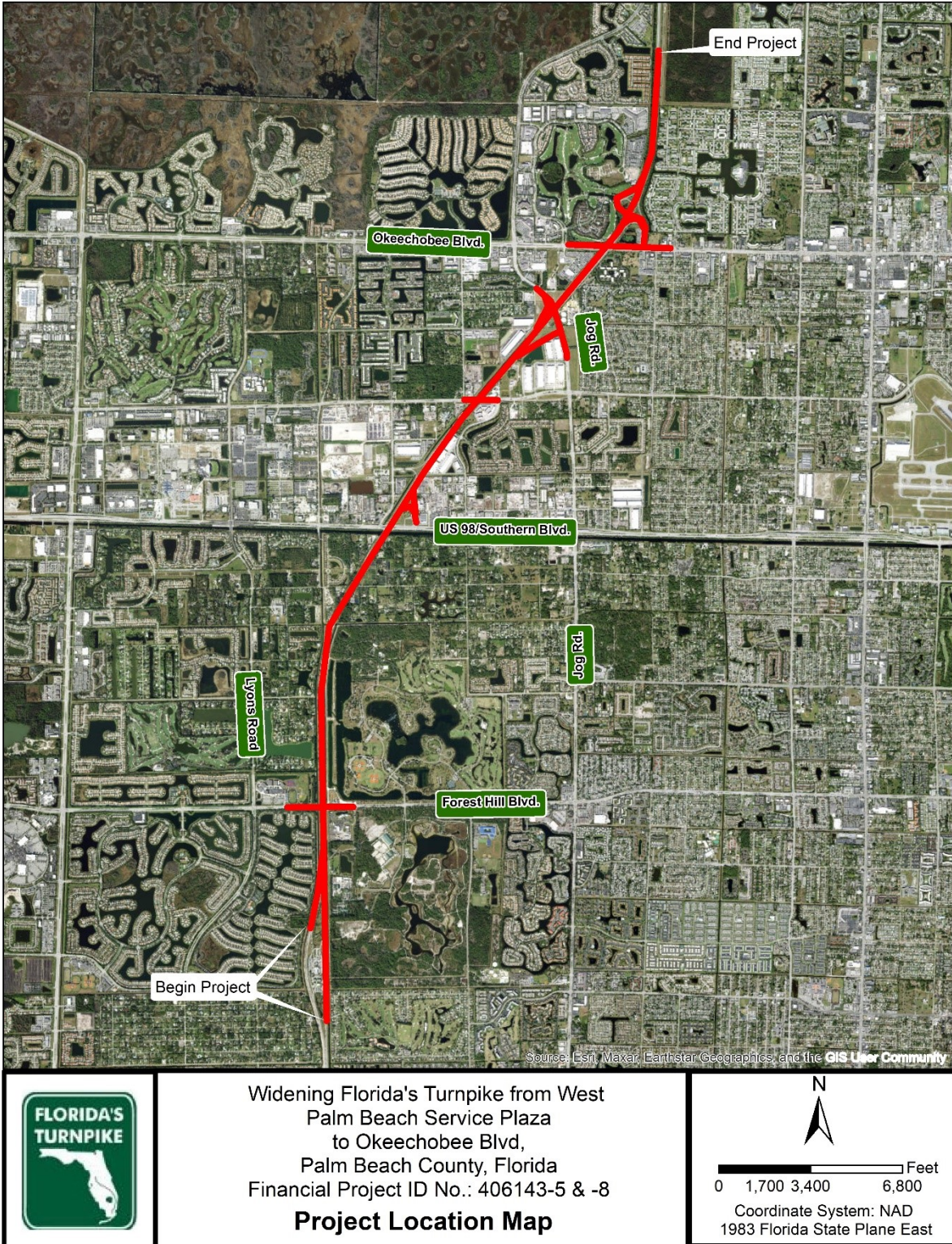


Figure 1 Project Location Map

FPID 406143-5 and 406143-8 Widen Florida's Turnpike (SR 91) from the West Palm Beach Service Plaza to Okeechobee Blvd. (MP 94 – 101)
Design Noise Study Report

1.2 Summary of PD&E Results and Commitments

The noise analysis, which was produced in support of the PD&E Study (Widening Florida’s Turnpike from Lake Worth Rd. to Indiantown Rd. [March 2008]) evaluated widening the existing four lanes to eight lanes (with express lanes). No substantial increases were predicted, but several exceedances of the NAC were predicted. As a result, several noise barriers were recommended for further consideration during the Design phase, listed in **Table 1**. Note that the property described as an isolated residence is no longer a residential property and is currently not a noise sensitive site. Therefore, this property was not evaluated in the current Design analysis.

The 2008 PD&E noise study report utilized a methodology referred to as “cost-averaging” where the total cost of noise barriers and total number of benefits are determined project-wide.

Table 1 2008 PD&E Feasible and Cost Reasonable Evaluation of Noise Barriers

Residential Location or Community	Number of Impacted Residences	Optimized Preliminary Barrier Height	Optimized Preliminary Barrier Length	Location ¹	Cost	Total Benefited Residences
Residences along Crockett Way	2	8	1,241	ROW	\$297,840	2
Residences from Wendy Ln. to 7 th Place and Woodslanding	15	16	5,531	ROW	\$2,654,880	25
Residences along Pioneer Rd. and Armadillo Way (Sequoia)	11	16	2,723	ROW	\$1,307,040	11
Isolated Residence ²	1	8	196	ROW	\$47,040	1
Villas at Emerald Dunes	67	22	1,753	ROW	\$1,156,980	77
Renaissance and The Cove at Briar Bay	85	22	4,701	ROW	\$3,102,660	117
Residences along Pine Hollow Lane	4	16	1,636	ROW	\$785,280	4
Residences in the vicinity of Wilson Rd. (Possum Pass)	5	12/8	1,494/400	Shoulder	\$777,264	3
Meadowbrook and Brookdale	114	16	2,014	ROW	\$966,720	142
Century Village/Windsor	505	18	5,821	ROW	\$3,143,340	677

FPID 406143-5 and 406143-8 Widen Florida’s Turnpike (SR 91) from the West Palm Beach Service Plaza to Okeechobee Blvd. (MP 94 – 101)
Design Noise Study Report

¹ROW = Right of Way

²This property is no longer a residential property and is currently not a noise sensitive site. Therefore, this property was not evaluated in the current Design analysis.

1.2.1 Date of Public Knowledge

The Date of Public Knowledge (DPK) is the approval date of the environmental document. However, the DPK has been reset, as there have been changes in capacity in Design since the approved PD&E.

DRAFT

SECTION 2

METHODOLOGY

The Traffic Noise Evaluation documented in this report is performed in accordance with the Code of Federal Regulations Title 23 Part 772 (23 CFR 772), *Procedures for Abatement of Highway Traffic Noise and Construction Noise* using methodology established in the FDOT *PD&E Manual*, Part 2, Chapter 18 (*Highway Traffic Noise*) (FDOT, July 2020). Predicted traffic noise levels were produced using the Federal Highway Administration (FHWA) Traffic Noise Model (TNM), version 2.5.

2.1 Noise Metrics

Traffic noise levels developed for this analysis are expressed in decibels (dB) using an “A”-scale [dB(A)] weighting. This scale most closely approximates the response characteristics of the human ear to typical traffic noise levels. All reported traffic noise levels are hourly equivalent noise levels [Leq(h)]. The Leq(h) is defined as the equivalent steady-state sound level that, in an hourly period, contains the same acoustic energy as the time-varying sound level for the same hourly period. Use of these metrics is consistent with the requirements of 23 CFR 772.

2.2 Traffic Data

Among other factors, traffic noise is heavily dependent on both traffic speed and traffic volume with the amount of noise generated by traffic increasing as the vehicle speed and number of vehicles increases. The traffic conditions that result in the highest noise levels for roadways are the hourly traffic volumes that represent Level of Service (LOS) C traffic conditions because they represent maximized traffic volumes that continue to travel at free flow speed.

Traffic data were reviewed to determine maximum traffic volumes that would allow traffic to flow at speeds consistent with established speed limits. Traffic data for the 2045 Build condition were provided by FTE and reviewed to identify forecasted traffic volumes that would allow vehicles to travel at speeds consistent with established speed limits. For roadway segments where the predicted hourly design year traffic volumes equaled or exceeded LOS C, LOS C hourly traffic was utilized. For roadway segments where the predicted hourly traffic demand was less than LOS C traffic volumes, the predicted hourly demand volumes were utilized. For ramp volumes, hourly traffic demand volumes were utilized. Traffic volumes and speeds used in the analysis are provided in **Appendix A**.

In addition, the total vehicle volume is divided between five classifications: cars, medium trucks, heavy trucks, buses, and motorcycles. Traffic vehicle percentages used in the analysis are provided in **Appendix A**.

2.3 Noise Abatement Criteria

Noise sensitive sites are defined as, any property where frequent human use occurs, and a lowered noise level would be of benefit. FHWA has established noise levels at which abatement is considered for various types of noise sensitive sites. These levels, which are used by the FTE for the purpose of evaluating traffic noise, are referred to as the Noise Abatement Criteria (NAC). As shown in **Table 2** NAC vary by activity category (i.e., land use). Noise abatement measures are considered when predicted traffic noise levels for

the design year (2045) approach, meet, or exceed the NAC. FDOT defines “approach” as within 1 dB(A) of FHWA criteria. For perspective, **Table 3** provides typical noise levels of common indoor and outdoor activities.

For Type I projects, noise abatement measures must also be considered when a substantial increase in traffic noise will occur as a direct result of the transportation project. FDOT defines a substantial increase as 15 or more decibels above existing conditions. A substantial increase typically occurs in areas where traffic noise is a minor component of the existing noise environment but would become a major component after the project is constructed (e.g., new alignment project). Based on predictions made during the PD&E phase, substantial increases in traffic noise are not expected to occur when the number of travel lanes is increased in the future.

Common Noise Environments (CNEs) are studied separately. A CNE is a group of receptors of the same NAC that are exposed to traffic noise in a similar way. These noise exposures are due to traffic mix, volume, speed, and topographic features, and typically occur between two secondary noise sources such as interchanges, intersections, and crossroads.

DRAFT

Table 2
FHWA Noise Abatement Criteria

Activity Category	Activity Leq(h)		Evaluation Location	Description of Land Use 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	67	66	Exterior	Residential.
C	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, recreation 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	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.

Source: 23 CFR Part 772, *Procedures for Abatement of Highway Traffic Noise and Construction Noise*, FHWA, 2010.

**Table 3
Typical Noise Levels**

Common Outdoor Activities	Noise Level dB(A)	Common Indoor Activities
Jet Fly-over at 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.

2.4 Noise Abatement Measures

Under Type I projects, noise abatement is considered at all noise sensitive sites predicted to approach, meet, or exceed the NAC as stipulated by 23 CFR 772. Abatement measures considered during the PD&E phase included traffic management, alignment modifications, noise buffer zones through application of land use controls and noise barriers. However, noise barriers were determined to be the only viable noise abatement measure. Therefore, consistent with the results of the PD&E, noise barriers are considered at all noise sensitive sites predicted to approach, meet, or exceed the NAC for the year 2045 Build condition.

Barriers reduce noise levels by blocking the sound path between a highway and noise sensitive site. To effectively reduce traffic noise, a barrier must be relatively long, continuous (with no intermittent openings), and of sufficient height. For a noise barrier to be considered feasible and cost reasonable, the following minimum conditions should be met:

- At least two impacted receptors must be provided a noise reduction of 5 dB(A) or more to be considered feasible.
- A noise barrier must also attain the Noise Reduction Design Goal (NRDG), which states that a minimum noise reduction of 7 dB(A) for at least one benefited receptor must be achieved. Of importance, this receptor may also have been previously identified as meeting the feasibility requirement of receiving a 5 dB(A) reduction (first bullet).
- The cost of the noise barriers should not exceed \$42,000 per benefited receptor. This is the upper cost limit established by FDOT. A benefited receptor is defined as a recipient of an abatement measure that experiences at least a 5 dB(A) reduction as a result of providing a noise barrier. The current unit cost used to evaluate cost reasonableness is \$30 per square foot (sq. ft.).
- The 2008 PD&E noise study report utilized a methodology referred to as “cost-averaging” where the total cost of noise barriers and total number of benefits are determined project-wide. To ensure consistency, cost-averaging was also utilized for the Design segment in this study.

Within the project limits, noise barrier locations were evaluated as follows:

- Right-of-way noise barriers located outside the clear recovery zone, but within the Right-of-Way (ROW), are initially considered at heights ranging from 8 foot (ft.) to 22 ft. in 2-ft. increments. According to the *FDOT Design Manual*, noise barriers outside the clear zone shall not exceed a maximum height of 22 ft.
- If a right-of-way barrier cannot provide at least a 5 dB(A) reduction to an impacted receptor or the barrier is not feasible due to construction limitations, then a shoulder barrier is evaluated. According to the *FDOT Design Manual*, shoulder barriers within the clear zone shall not exceed 14 ft. in height when on embankment and 8 ft. in height when on structure.
- The length and height of the noise barriers are optimized based on the benefit provided to noise sensitive sites with predicted noise levels that approach, meet, or exceed the NAC.

2.4.1 Special Land Uses

It should be noted that the methodology used to evaluate noise barriers for special land uses (i.e., non-residential) is different than for residential receptors. Noise barriers for special land use were evaluated following procedures documented in *A Method to Determine Reasonableness and Feasibility of Noise Abatement at Special Use Locations* (FDOT 2009). This methodology accounts for the threshold of \$42,000 per benefited receptor and translates it to apply to a non-residential receptor based on person-hours-of-use in the following equation:

$$\frac{\$42k}{\text{residence}} \times \frac{\text{residence}}{2.46 \text{ persons}} \times \frac{\text{usage}}{24 \text{ hours}} \times (14\text{ft.} \times 100\text{ft.}) = \$995,935/\text{person hour}/\text{ft}^2$$

The cost of abatement is considered reasonable if the calculated “abatement cost factor” is below the “criteria abatement cost factor” of the above equation (\$995,935/person-hour/ft²).

2.5 Existing Noise Barriers

Of importance, two existing noise barriers are present within the project limits. An 8 ft. high shoulder and 22 ft. ROW barrier is found near the Palm Beach Ranchettes along southbound lanes and are shown in **Appendix C**.

The Federal Highway Administration's (FHWA) guidance on performing highway traffic noise abatement evaluation with existing noise barriers (FHWA-HEP-12-051) was followed where existing noise barriers are found. FHWA's guidance, FHWA-HEP-12-051, states that the existing noise barrier should be evaluated to identify if it meets the State Highway Agency's (SHA) existing highway traffic noise policy (see **Section 2.3**). If the existing noise barrier does not meet the SHA's highway traffic noise policy, a replacement noise barrier should be evaluated. However, if the noise barrier meets the SHA's highway traffic noise policy, the existing noise barrier is sufficient and a replacement noise barrier is not evaluated. Because noise barriers exist along the project corridor, the FHWA guidance FHWA-HEP-12-051 was followed.

There are two existing noise barrier systems within the study area evaluated. These noise barriers were included in the modeling effort. These two noise barrier systems are:

- 8 ft. shoulder mounted and 22 ft. ROW noise barriers to the west of Florida's Turnpike (southbound) from Lake Cypress Rd. to Village Walk Circle
- 14 ft. shoulder mounted noise barrier is to be constructed in association with the ongoing construction project to widen Florida's Turnpike for FPID 406144-1 (Widen from Boynton Beach Boulevard to Lake Worth Road). The noise barrier will be constructed to the east of Florida's Turnpike (northbound) from the Lake Worth Rd. entrance to north of Oakmont Drive (Palm Beach National Golf and Country Club).

SECTION 3

TRAFFIC NOISE ANALYSIS

3.1 Predicted Noise Levels and Abatement Analysis

Within the project limits, noise sensitive land uses adjacent to Florida's Turnpike include residential and SLU areas. Residential communities are in Activity Category B of the NAC. SLUs evaluated were identified in NAC C. Noise levels were predicted at 1,081 receptor points representing 1,461 residences and three special land uses. The location of the receptor points representing the noise sensitive sites are in accordance with the FDOT *PD&E Manual*, Part 2, Chapter 18 (*Highway Traffic Noise*). Residential receptor points are located at the edge of the building closest to the Turnpike.

Predicted noise levels for these noise sensitive sites are provided in **Appendix B**. The locations of the receptor points identified in **Appendix B** are depicted on the aerials found in **Appendix C**. The numbers identify a specific receptor point and generally increase from south to north.

For Design Year (2045) conditions, traffic noise levels are predicted to approach, meet, or exceed the Noise Abatement Criteria (NAC) at 768 residences and three special land uses (SLUs). These impacted residences and special land uses were further evaluated to determine the feasibility and cost reasonableness of providing noise barriers to reduce traffic noise.

3.1.1 Noise Sensitive Sites – East of Florida's Turnpike

Highway traffic noise levels are predicted to approach, meet, or exceed the NAC for 2045 Build condition at 522 residences on the east side of Florida's Turnpike. The discussions that follow analyze residential communities and SLUs along the east side (i.e., northbound lanes) of Florida's Turnpike from south to north.

3.1.1.1 Residences in the Palm Beach National Golf and Country Club

Residences in the Palm Beach National Golf and Country Club (**Appendix C, sheets 1 and 2**) were evaluated by 123 receptor points representing 123 residences. Of note, a 14 ft. shoulder mounted noise barrier is to be constructed from the Lake Worth Rd. entrance to north of Oakmont Drive for FPID 406144-1 (Widen Florida's Turnpike from Boynton Beach Boulevard to Lake Worth Road). This barrier was included in the Design year analysis as an existing condition. With the future noise barrier, exterior traffic noise levels are predicted to range from 51.6 to 64.4 dB(A) for the Design year and do not approach, meet, or exceed the NAC at any residence. Therefore, an additional noise barrier was not evaluated for these residences.

3.1.1.2 Pine Hollow and Possum Pass

Residences in Pine Hollow and Possum Pass (**Appendix C, sheets 9-11**) were evaluated by 14 receptor points representing 14 residences. The exterior traffic noise levels are predicted to range from 61.3 to 72.3 dB(A) for the Design year and approaches, meets, or exceeds the NAC at six residences. Therefore, a noise barrier was evaluated for these impacted residences.

A ROW barrier was not evaluated due to engineering constraints. Therefore, a shoulder mounted noise barrier was evaluated. Notably, the bridge over the L-5 Canal was unable to withstand the additional weight of a noise barrier. Therefore, a noise barrier was not evaluated along the bridge over the L-5 Canal.

The results of the shoulder mounted barrier evaluation indicated that a 14 ft. shoulder-mounted noise barrier would provide a benefit to at least two impacted receptors and meets the NRDG. Therefore, a noise barrier for the residences in Pine Hollow and Possum Pass was evaluated further.

The 14 ft. shoulder mounted noise barrier was evaluated in an engineering review to review safety, utility, maintenance, and other constructability issues. The results of the engineering review found no issues with the proposed shoulder mounted noise barrier which would prevent construction (shown in **Appendix D**). Therefore, the 14 ft. shoulder mounted noise barrier was recommended for inclusion into the Design Plans and is shown in **Table 4** (page 4-2) and in **Appendix C (sheets 9-11)**.

3.1.1.3 Terracina

Residences in Terracina (**Appendix C, sheets 13 and 14**) were evaluated by 11 receptor points representing 11 residences. The exterior traffic noise levels are predicted to range from 62.5 to 67.3 dB(A) for the Design year and approaches, meets, or exceeds the NAC at three residences. However, these three residences are impacted from traffic noise from the portion of Belvedere Rd. which is not being modified for this project, and which is outside of the construction limits. Therefore, a noise barrier could not be constructed within the Turnpike's ROW to mitigate these impacts and was not considered for these residences.

3.1.1.4 Residences from Jog Rd. to Okeechobee Blvd. (Meadowbrook Mobile Home Park and Brookdale at West Palm Beach)

Residences from Jog Rd. to Okeechobee Blvd. (Meadowbrook Mobile Home Park and Brookdale at West Palm Beach) (**Appendix C, sheets 15 and 16**) were evaluated by 172 receptor points representing 172 residences. The exterior traffic noise levels are predicted to range from 49.0 to 77.2 dB(A) for the Design year and approaches, meets, or exceeds the NAC at 127 residences. Therefore, a noise barrier was evaluated for these impacted residences.

A ROW barrier was not evaluated due to constraints from Florida Gas and Transmission Company (FGT) gas lines. Therefore, a shoulder mounted noise barrier was evaluated. The shoulder barrier was evaluated at 14 ft., but limited to 8 ft. on structure or Mechanically Stabilized Earth (MSE), as required by the FDOT Design Manual (2022). Additionally, the shoulder barrier was unable to continue underneath Okeechobee Blvd. or Jog Rd. The results of the evaluation indicated that a 14 ft. shoulder mounted noise barrier would provide a benefit to at least two impacted receptors and meets the NRDG. Therefore, a noise barrier for the residences from Jog Rd. to Okeechobee Blvd. was evaluated further.

The 14 ft. shoulder mounted noise barrier was evaluated in an engineering review to review safety, utility, maintenance, and other constructability issues. The results of the engineering review found no issues with the proposed shoulder mounted noise barrier which would prevent construction (shown in **Appendix D**). Therefore, the 14 ft. shoulder mounted noise barrier was recommended for inclusion into the Design Plans and is shown in **Table 4** (page 4-2) and in **Appendix C (sheets 15 and 16)**.

3.1.1.5 Century Village

Residences in Century Village (**Appendix C, sheets 18-20**) were evaluated by 304 receptor points representing 608 residences. The exterior traffic noise levels are predicted to range from 56.4 to 76.3 dB(A) for the Design year and approaches, meets, or exceeds the NAC at 386 residences. Therefore, a noise barrier was evaluated for these impacted residences.

A ROW barrier is unable to be constructed along the mainline due to constraints from FGT. Therefore, a shoulder mounted barrier along the mainline was evaluated. A shoulder mounted barrier was unable to be constructed along Ramp O due to engineering constraints. Therefore, a ROW barrier along the ramp was evaluated.

A ROW mounted noise barrier along Ramp O combined with a shoulder mounted noise barrier along the mainline were evaluated for these impacted residences. The results of the evaluation indicated that a 22 ft. ROW mounted noise barrier along the ramp and a 14 ft. shoulder mounted noise barrier along the mainline would provide a benefit to at least two impacted receptors and meets the NRDG. Therefore, a noise barrier for the residences in Century Village was evaluated further.

The 22 ft. ROW mounted noise barrier along the ramp and a 14 ft. shoulder mounted noise barrier along the mainline was evaluated in an engineering review to review safety, utility, maintenance, and other constructability issues. The results of the engineering review found no issues with the proposed shoulder mounted noise barrier which would prevent construction (shown in **Appendix D**). Therefore, the 22 ft. ROW mounted noise barrier along the ramp and a 14 ft. shoulder mounted noise barrier along the mainline was recommended for inclusion into the Design Plans and is shown in **Table 4** (page 4-2) and in **Appendix C (sheets 18-20)**.

3.1.2 Noise Sensitive Sites – West of Florida’s Turnpike

3.1.2.1 Palm Beach Ranchettes

Residences in Palm Beach Ranchettes (**Appendix C, sheet 1**) were evaluated by 35 receptor points representing 35 residences. The exterior traffic noise levels are predicted to range from 57.5 to 73.2 dB(A) for the Design year and approaches, meets, or exceeds the NAC at 8 residences.

Of importance, two existing noise barriers are present within this area and were included in the model. An 8 ft. high shoulder mounted, and 22 ft. ROW barrier are found near the Palm Beach Ranchettes along southbound lanes, as shown in **Appendix C**. These noise barriers were constructed at the maximum allowable heights. Therefore, an additional noise barrier for these residences was not considered further.

3.1.2.2 Villagewalk of Wellington

Residences in Villagewalk of Wellington (**Appendix C, sheets 3-5**) were evaluated by 55 receptor points representing 67 residences. Including the 6 ft. neighborhood wall currently constructed on top of a berm for this community, the exterior traffic noise levels are predicted to range from 56.6 to 67.4 dB(A) for the Design year and approaches, meets, or exceeds the NAC at 8 residences. Therefore, a noise barrier was evaluated for these impacted residences.

A ROW mounted noise barrier was not possible due to ROW constraints as a result of the canal which runs parallel to Florida's Turnpike. Therefore, a shoulder mounted barrier was evaluated. However, a shoulder mounted barrier did not achieve the noise reduction design goal (NRDG) and therefore was not considered further. The required noise reduction from an added noise barrier was likely not achieved because the existing 6 ft. neighborhood wall mounted on top of a berm already reduces some of the noise at this community.

3.1.2.3 Palm Beach Central High School

The Palm Beach Central High School (**Appendix C, sheets 5 and 6**) is a school with outdoor areas of frequent human use (baseball, softball, basketball, football and tennis fields and a track). The school is represented by two receptors. Exterior traffic noise levels are predicted to range from 66.4 to 69.8 dB(A) for the Design year and approach, meet, or exceed the NAC. Therefore, a noise barrier was evaluated following procedures documented in "A Method to Determine Reasonableness and Feasibility of Noise Abatement at Special Use Locations" (FDOT 2009).

A ROW noise barrier was not evaluated due to ROW constraints. Therefore, a shoulder mounted noise barrier was evaluated using a grid of receptors.

The evaluation found that a 14 ft. shoulder mounted noise barrier would potentially benefit 100 percent of the impacted area. To not exceed the cost reasonable limit of \$995,935 per person-hour of use per square foot of noise barrier, 472 person-hours of use need to occur within the benefited area on an average day. If 472 person-hours of use are needed in the benefited area, the entire outdoor facility evaluated would need to be utilized by 1,247 person-hours of daily use. The Palm Beach Central High School has a student population of 3,188 students.¹ With the student and staff population, it is presumed that the school's outdoor facilities are utilized by enough people to meet the person-hours at the cost reasonable limit. Therefore, the noise barrier was evaluated further.

An engineering review was performed on the 14 ft. shoulder mounted noise barrier and found no issues with constructing the noise barrier. The engineering review form can be found in **Appendix D**. Therefore, this noise barrier is suggested to be included in the Design Plans and is shown in **Table 4** (page 4-2) and in **Appendix C (sheet 5 and 6)**.

Additionally, this noise barrier continues north and joins to the recommended noise barrier for residences from Wendy Lane to Southern Blvd. (discussed in **Section 0**). The recommended noise barrier for residences from Wendy Lane to Southern Blvd. was included in this analysis.

¹ Palm Beach Central High School https://www.palmbeachcentral.org/school_info (accessed January 26, 2023)

3.1.2.4 Residences from Wendy Lane to Southern Blvd. (Banyan Lakes, Annunziata Estates, Quiet Waters, Woodslanding, Sequoia, additional residences, and Kid Sanctuary)

Residences from Wendy Lane to Southern Blvd. (Banyan Lakes, Annunziata Estates, Quiet Waters, Woodslanding, Sequoia, additional residences, and Kid Sanctuary²) (**Appendix C, sheets 6-11**) were evaluated by 110 receptor points representing 124 residences. The exterior traffic noise levels are predicted to range from 59.3 to 79.0 dB(A) for the Design year and approaches, meets, or exceeds the NAC at 57 residences. Therefore, a noise barrier was evaluated for these impacted residences. Of note, an 8 ft. barrier shielding the Toll gantry (STA 12543 + 15 to STA 12546 +95) currently exists, but was included in the noise barrier evaluation with the assumption of it being raised to 14 ft. high for consistency with the evaluated 14 ft. noise barrier.

A 14 ft. shoulder mounted noise barrier was evaluated for these impacted residences. The shoulder barrier was evaluated at 14 ft., but limited to 8 ft. on structure or MSE, as required by the FDOT Design Manual (2022). Notably, the bridge over the L-5 Canal was unable to withstand the additional weight of a noise barrier. Therefore, a noise barrier was not evaluated along the bridge for L-5 Canal. The results of the evaluation indicated that a 14 ft. shoulder mounted and 8 ft. structure mounted noise barrier along the mainline would provide a benefit to at least two impacted receptors and meets the NRDG.³ Therefore, a noise barrier for the residences from Wendy Lane to Southern Blvd. was evaluated further.

The 14 ft. shoulder mounted and 8 ft. structure mounted noise barrier was evaluated in an engineering review to review safety, utility, maintenance, and other constructability issues. The results of the engineering review found no issues with the proposed shoulder mounted noise barrier which would prevent construction (shown in **Appendix D**), but the noise barrier is required to have maintenance access points throughout the barrier. Therefore, the 14 ft. shoulder mounted, and 8 ft. structure mounted noise barrier was recommended for inclusion into the Design Plans and is shown in **Table 4** (page 4-2) and in **Appendix C (sheets 6-11)**.

3.1.2.5 Feather Rock

Residences in Feather Rock (**Appendix C, sheet 15**) were evaluated by one receptor point representing one residence. The exterior traffic noise levels are predicted to be 60.8 dB(A) for the Design year and does not approach, meet, or exceed the NAC. Therefore, a noise barrier was not considered for this residence.

² Kid Sanctuary is a children's orphanage and was treated as 16 residences. Research showed that the facility has 42 beds, which is equated to 16 residences based on a 2.62 people per single-family home. The assumption that 2.62 persons utilize the average single-family home in Florida was obtained from the Florida Census data from 2016-2020 (<https://www.census.gov/quickfacts/fact/table/FL/HSD310220>). The assumption of 42 beds came from the following website: <https://www.palmbeachpost.com/story/opinion/letters/2018/08/17/letters-fix-algae-by-using/7528195007/>

³ Of note, an 8 ft. structure mounted barrier along the mainline over the C-51 Canal and US 98/SR 80/Southern Blvd. was evaluated, but the 8 ft. structure barrier did not provide a benefit to any impacted receptor. Therefore, the noise barrier did not continue across the bridge over the C-51 Canal and US 98/SR 80/Southern Blvd.

3.1.2.6 Emerald Dunes Condominiums

Residences in Emerald Dunes Condominiums (**Appendix C, sheets 16-18**) were evaluated by 138 receptor points representing 138 residences. The exterior traffic noise levels are predicted to range from 44.2 to 73.1 dB(A) for the Design year and approaches, meets, or exceeds the NAC at 77 residences. Therefore, a noise barrier was evaluated for these impacted residences.

A ROW noise barrier was not evaluated due to ROW constraints. Therefore, a shoulder mounted noise barrier was evaluated along the mainline and ramps. However, a shoulder mounted noise barrier could not be constructed along the following locations:

- The mainline under Okeechobee Blvd. due to construction and maintenance issues,
- The interior ramp, as it created a stopping sight distance issue, and
- The Ramp P1 bridge, as the bridge is unable to support the additional weight of a noise barrier.

A 14 ft. shoulder mounted noise barrier was evaluated for these impacted residences. The shoulder barrier was evaluated at 14 ft., but limited to 8 ft. on structure or MSE, as required by the FDOT Design Manual (2022). The results of the evaluation indicated that a 14 ft. shoulder mounted and 8 ft. structure mounted noise barrier along the mainline would provide a benefit to at least two impacted receptors and meets the NRDG. Therefore, a noise barrier for these impacted residences was evaluated further.

The 14 ft. shoulder mounted barriers along the mainline and ramps and 8 ft. structure mounted noise barrier was evaluated in an engineering review to review safety, utility, maintenance, and other constructability issues. The results of the engineering review found no issues with the proposed shoulder mounted noise barrier which would prevent construction (shown in **Appendix D**). Therefore, the 14 ft. shoulder mounted, and 8 ft. structure mounted noise barrier was recommended for inclusion into the Design Plans and is shown in **Table 4** (page 4-2) and in **Appendix C (sheets 16-18)**.

3.1.2.7 Emerald Dunes Golf Course

The Emerald Dunes Golf Course (**Appendix C, sheets 16-18**) was evaluated and represented by three receptors. Exterior traffic noise levels are predicted to range from 74.4 to 77.5 dB(A) for the Design year and approach, meet or exceed the NAC. However, the noise barrier recommended for the Emerald Dunes Condominiums (see Section **3.1.2.6**) will provide a benefit to this impacted golf course.

3.1.2.8 Renaissance and The Cove I & II at Briar Bay

Residences in Renaissance and the Cove I & II at Briar Bay (**Appendix C, sheets 20-22**) were evaluated by 111 receptor points representing 168 residences. The exterior traffic noise levels are predicted to range from 56.5 and 75.6 dB(A) for the Design year and approaches, meets, or exceeds the NAC at 96 residences. Therefore, a noise barrier was evaluated for these impacted residences.

A ROW barrier was not evaluated due to ROW constraints. Therefore, a shoulder mounted noise barrier was evaluated at 14 ft. The results of the evaluation indicated that a 14 ft. shoulder mounted noise barrier would provide a benefit to at least two impacted receptors and meets the NRDG. Therefore, a 14 ft. shoulder mounted noise barrier for the impacted residences was evaluated further.

The 14 ft. shoulder mounted noise barrier was evaluated in an engineering review to review safety, utility, maintenance, and other constructability issues. The results of the engineering review found no issues with the proposed shoulder mounted noise barrier which would prevent construction (shown in **Appendix D**). Therefore, the 14 ft. shoulder mounted noise barrier was recommended for inclusion into the Design Plans and is shown in **Table 4** (page 4-2) and in **Appendix C (sheets 20-22)**.

However, the northern portion of this recommended noise barrier (STA 12835 +00 to 12869 +40) is outside of the project construction limits and will be constructed with the project to widen the Florida Turnpike from Okeechobee Blvd. to SR 710 (FPID 406143-6).

3.1.2.9 Grassy Waters Elementary

Grassy Waters Elementary (**Appendix C, sheets 21 and 22**) is an Elementary school with areas of frequent outdoor human use (baseball and basketball fields). The school's exterior use areas were evaluated and represented by two receptors. Exterior traffic noise levels are predicted to range from 68.4 to 70.5 dB(A) for the Design year and approach, meet, or exceed the NAC. However, the noise barrier for the residences in Renaissance and the Cove I and II at Briar Bay will provide a benefit to this impacted school.

SECTION 4

CONCLUSION

Traffic noise levels were predicted at 1,081 receptor points representing 1,461 residences and three special land uses. For Design Year (2045) conditions, traffic noise levels are predicted to approach, meet, or exceed the Noise Abatement Criteria (NAC) at 768 residences and three special land uses (SLUs). These impacted residences and special land uses were further evaluated to determine the feasibility and cost reasonableness of providing noise barriers to reduce traffic noise.

The noise barrier evaluation found that noise barriers are reasonable and feasible at seven locations, listed in **Table 4**. The barrier engineering review found no issues with the construction of the noise barriers, shown in **Appendix D**. Therefore, these noise barriers are suggested to be included in the Design Plans and are shown in **Appendix C**. As shown in **Table 4**, based on a project-wide evaluation, the total average cost per benefited receptor is \$12,652.

Noise barriers were found to not be feasible and reasonable at two impacted locations (Villagewalk of Wellington and Terracina). At Villagewalk of Wellington, a shoulder mounted barrier did not achieve the noise reduction design goal (NRDG) and therefore was not considered further. The required noise reduction was likely not achieved because an existing 6 ft. neighborhood wall mounted on top of a berm already reduces some of the noise at this community. Residences in Terracina are impacted from traffic noise from the portion of Belvedere Rd. which is not being modified for this project, and which is outside of the construction limits. Therefore, a noise barrier could not be constructed within the Turnpike's ROW to mitigate these impacts and was not considered for these residences.

Table 4 Reasonable and Feasible Noise Barriers

Barrier Number	CNE	Barrier Type	Barrier Height	Barrier Length ¹	Barrier Stationing	Barrier Cost ²	Number of Impacted Residences	Number of Benefited Residences
1	Pine Hollow and Possum Pass	Shoulder	14 ft.	3,549 ft.	STA 12588 +10 to 12624 + 00	\$1,490,580	6	6
2	Residences from Jog Road to Okeechobee Blvd. (Meadowbrook Mobile Home Park and Brookdale at West Palm Beach)	Shoulder	14 ft.	2,954 ft.	STA 12730 + 80 to 12759 + 95	\$1,240,680	127	146
3	Century Village	ROW	22 ft.	1,494 ft.	STA 8285 + 00 to 12782 + 57	\$2,778,180	386	578
		Shoulder	14 ft.	4,267 ft.	STA 12781 + 74 to 12824 + 10			
4	Palm Beach Central High School ³	Shoulder	14 ft.	798 ft.	STA 12519 +50 to 12527 + 80	\$335,160 ³	N/A	
5	Wendy Lane to 7th Place and Woodslanding (Banyan Lakes, Annunziata Estates, Quiet Waters, Woodslanding, Sequoia, additional residences, and Kid Sanctuary)	Shoulder	14 ft.	5,549 ft.	STA 12527 + 80 to 12546 + 95; 12600 +00 to 12615 + 00	\$3,278,340	47	96
		Structure	8 ft.	3,949 ft.	STA 12546 + 95 to 12586 + 00; 12588 + 20 to 12600 + 00; 12615 + 00 to 12624 +00			
6	Emerald Dunes	Shoulder	14 ft.	165 ft.	STA 12757 + 17 to 12758 + 71	\$1,759,680	77	50
				1,252 ft.	STA 12761 + 00 to 12773 + 75			
				1,225 ft.	STA 8470 + 06 to 8482 + 00			
				884 ft.	STA 8491 + 06 to 12800 + 00			
		Structure	8 ft.	273 ft.	STA 12754 + 10 to 12757 + 17;			
890 ft.	STA 8482 + 00 to 8491 + 06							
7	Renaissance and The Cove I & II at Briar Bay ⁴	Shoulder	14 ft.	5,751 ft.	STA 2811 + 50 to 2869 + 40	\$2,415,420	96	152
Total (including SLU)						\$13,228,020	739	1,019
Total Residential Noise Barriers for Cost Average						\$12,892,860		
Total Cost per Benefited Receptor (Cost Average)						\$12,652		

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

² Unit cost of \$30 per sq. ft. of noise barrier.

³ Not included in cost average calculation. Portion of noise barrier that continues in front of Wendy Lane, 7th Place and Woodslanding was included in calculation.

⁴ The northern portion of this recommended noise barrier (STA 12835 +00 to 12869 +40) is outside of the project construction limits and will be constructed with the project to widen the Florida Turnpike from Okeechobee Blvd. to SR 710 (FPID 406143-6).

SECTION 5

CONSTRUCTION NOISE AND VIBRATION

Based on the existing land use within the limits of this project, construction of the proposed roadway improvements will not have any noise or vibration impact. If noise-sensitive land uses develop adjacent to the roadway prior to construction, additional impacts could result. It is anticipated that the application of the FDOT Standard Specifications for Road and Bridge Construction will minimize or eliminate most of the potential construction noise and vibration impacts. However, should unanticipated noise or vibration issues arise during the construction process, the Project Manager, in concert with the Florida's Turnpike Enterprise Noise Specialist and the Contractor, will investigate additional methods of controlling these impacts.

DRAFT

SECTION 6

COMMUNITY COORDINATION

Coordination with local agencies, officials, and the general public is ongoing and the public has had the opportunity to comment on the proposed project at public meetings and other outreach efforts, including:

- A Virtual Public Information Meeting was held on February 21, 2023 and an in-person meeting was held on February 23, 2023 at the Palm Beach County Convention Center at 650 Okeechobee Blvd. West Palm Beach, FL 33401.
 - [insert noise comments once received]

DRAFT

SECTION 7

REFERENCES

- 23 CFR Part 772, "Procedures for Abatement of Highway Traffic Noise and Construction Noise", Federal Register, Vol. 75, No. 133, Tuesday, July 13, 2010; pages 39834-39839.
- Florida Department of Transportation, "A Method to Determine Reasonableness and Feasibility of Noise Abatement at Special Use Locations", July 2009. 64 pages.
- Florida Department of Transportation. "Highway Traffic Noise", Part 2, Chapter 18. Project Development and Environment Manual, Florida Department of Transportation, Tallahassee, July 1, 2020.
- Florida Department of Transportation Design Manual Volume 1, Chapter 264, "Noise Walls and Perimeter Walls", January 2022
- Florida Department of Transportation "Standard Specifications for Road and Bridge Construction", July 2022.
- Florida Department of Transportation, "2012 FDOT Quality/Level of Service Handbook"; Tallahassee, Florida; 2012.
- Federal Highway Administration Report FHWA-HEP-10-025, "Highway Traffic Noise: Analysis and Abatement Guidance", June 2010 (revised December 2010); 76 pages.
- Federal Highway Administration Report FHWA-PD-96-009, "FHWA Traffic Noise Model, Version 1.0 User's Guide", January 1998; 192 pages + supplements.
- Federal Highway Administration Report Number FHWA-PD-96-046, "Measurement of Highway-Related Noise", Cynthia S.Y. Lee and Gregg Fleming; May 1996; 206 pages.
- Federal Highway Administration Report FHWA-HEP-06-015, "FHWA Highway Construction Noise Handbook: Final Report". August 2006; 185 pages.
- Federal Highway Administration. "Consideration of Existing Noise Barrier in a Type I Noise Analysis FHWA-HEP-12-051."
https://www.fhwa.dot.gov/ENVIRONMENT/noise/noise_barriers/abatement/existing.cfm.

DRAFT

APPENDICES

Appendix A Traffic Data

Appendix B Predicted Noise Levels

Appendix C Aerials

Appendix D Engineering Review

Appendix E TNM Files

DRAFT

APPENDIX A

TRAFFIC DATA

Traffic Data –Build (2045) Conditions

Turnpike Mainline													
Mainline Traffic Segment	Number of Lanes	Two-Way AADT	Two-Way LOS C AADT	Peak Hour Peak Direction	LOS C Peak Hour Peak Direction	Design Hr. % T	Design Hr. % MT	Design Hr. % HT	Design Hr. % Buses	Design Hr. % Motorcycles	Standard K-factor	D-factor	Posted Speed (mph)
SR 710 [MP 107] to West Palm Beach [MP 99]	8	123,000	122,700	6,070	5,390	7.64%	2.02%	5.23%	0.39%	0.06%	9.81%	50.27%	70
West Palm Beach/Okeechobee Blvd [MP 99] to Jog Road [MP 98]	8	124,200	122,700	6,130	5,390	7.64%	2.02%	5.23%	0.39%	0.06%	9.81%	50.27%	70
Jog Road [MP 98] to SR 80 [MP 97]	8	128,800	122,700	6,350	5,390	7.64%	2.02%	5.23%	0.39%	0.06%	9.81%	50.27%	70
SR 80/Southern Blvd [MP 97] to W Palm Beach Service Plaza [MP 94]	8	131,400	122,700	6,480	5,390	7.64%	2.02%	5.23%	0.39%	0.06%	9.81%	50.27%	70
W Palm Beach Service Plaza [MP 94] to Lake Worth Road [MP 93]	8	136,000	122,700	6,710	5,390	7.64%	2.02%	5.23%	0.39%	0.06%	9.81%	50.27%	70
Ramps													
Ramp	Number of Lanes	One-Way AADT	One-Way LOS C AADT	Peak Hour Peak Direction	LOS C Peak Hour Peak Direction	Design Hr. % T	Design Hr. % MT	Design Hr. % HT	Design Hr. % Buses	Design Hr. % Motorcycles	Standard K-factor	D-factor	Operational Speed (mph)
Okeechobee Boulevard [MP 99]													
Southbound off	2	9,700	16,500	1,580	2,700	7.64%	2.02%	5.23%	0.39%	0.06%	16.32%	52.55%	45
Northbound on	1	9,700	8,300	1,580	1,350	7.64%	2.02%	5.23%	0.39%	0.06%	16.32%	52.55%	45
Southbound on	1	10,300	10,100	1,370	1,340	7.64%	2.02%	5.23%	0.39%	0.06%	13.33%	62.50%	25
Northbound off	2	10,300	20,100	1,370	2,680	7.64%	2.02%	5.23%	0.39%	0.06%	13.33%	62.50%	25
Jog Road [MP 98]													
Southbound off	1	4,900	9,100	730	1,350	7.64%	2.02%	5.23%	0.39%	0.06%	14.80%	53.14%	45
Northbound on	1	4,900	9,100	730	1,340	7.64%	2.02%	5.23%	0.39%	0.06%	14.80%	53.14%	25
Southbound on	1	7,200	10,600	910	1,350	7.64%	2.02%	5.23%	0.39%	0.06%	12.68%	53.14%	45
Northbound off	1	7,200	9,100	1,070	1,350	7.64%	2.02%	5.23%	0.39%	0.06%	14.80%	53.14%	45
SR 80 [MP 97]													
Southbound off	2	9,400	19,300	1,310	2,700	7.64%	2.02%	5.23%	0.39%	0.06%	13.96%	58.48%	45
Northbound on	1	9,400	9,600	1,310	1,340	7.64%	2.02%	5.23%	0.39%	0.06%	13.96%	58.48%	25
Southbound on	1	10,700	11,000	1,310	1,340	7.64%	2.02%	5.23%	0.39%	0.06%	12.21%	53.15%	25
Northbound off	2	10,700	21,900	1,310	2,680	7.64%	2.02%	5.23%	0.39%	0.06%	12.21%	53.15%	25
Lake Worth Road [MP 93]													
Southbound off	1	9,200	9,600	1,280	1,340	7.64%	2.02%	5.23%	0.39%	0.06%	13.96%	58.48%	25
Northbound on	1	9,200	9,700	1,280	1,350	7.64%	2.02%	5.23%	0.39%	0.06%	13.96%	58.48%	45
Southbound on	1	11,500	11,100	1,400	1,350	7.64%	2.02%	5.23%	0.39%	0.06%	12.21%	53.15%	45
Northbound off	1	11,500	11,000	1,400	1,340	7.64%	2.02%	5.23%	0.39%	0.06%	12.21%	53.15%	25
Arterials													
Arterial Traffic Segment	Number of Lanes	Two-Way AADT	Two-Way LOS C AADT	Peak Hour Peak Direction	LOS C Peak Hour Peak Direction	Design Hr. % T	Design Hr. % MT	Design Hr. % HT	Design Hr. % Buses	Design Hr. % Motorcycles	Standard K-factor	D-factor	Posted Speed (mph)
Okeechobee Blvd [MP 99]													
West of Turnpike	8	98,400	77,700	4,870	3,500	2.80%	1.48%	1.05%	0.28%	0.25%	9.00%	55.00%	50
East of Turnpike	8	96,000	77,700	4,750	3,500	2.80%	1.48%	1.05%	0.28%	0.25%	9.00%	55.00%	45
Jog Road [MP 98]													
North of Turnpike	6	34,600	57,700	1,900	2,890	2.45%	1.12%	1.08%	0.25%	0.13%	10.00%	55.00%	45
South of Turnpike	6	30,200	57,700	1,660	2,890	2.45%	1.12%	1.08%	0.25%	0.13%	10.00%	55.00%	45
Belvedere Road													
West/East of Turnpike	6	24,900	57,500	1,230	2,590	3.29%	1.30%	1.54%	0.46%	0.15%	9.00%	55.00%	50
SR 80 [MP 97]													
West of Turnpike	8	84,400	77,600	5,150	3,880	3.22%	1.47%	1.42%	0.33%	0.18%	10.00%	61.00%	50
East of Turnpike	8	76,000	77,600	3,690	3,490	3.22%	1.47%	1.42%	0.33%	0.18%	9.00%	54.00%	50
Pike Road - North of SR 80	4	24,700	37,600	1,160	1,690	3.22%	1.47%	1.42%	0.33%	0.18%	9.00%	52.00%	45
Forest Hill Boulevard													
West/East of Turnpike	6	58,200	58,000	3,130	2,610	1.55%	0.81%	0.49%	0.25%	0.07%	9.00%	59.80%	45
Lake Worth Road [MP 93]													
West of Turnpike	6	53,600	57,800	2,880	2,600	2.04%	1.07%	0.64%	0.33%	0.09%	9.00%	59.80%	45
East of Turnpike	6	57,500	57,800	3,090	2,600	2.04%	1.07%	0.64%	0.33%	0.09%	9.00%	59.80%	45

Notes:

- (1) Posted speed obtained by field observation. Engineering judgement is used to estimate on ramp speeds.
- (2) Ramp daily and design hour volumes are provided directionally (i.e. does not incorporate return movements on the corresponding ramp). Likewise, the daily and design hour LOS C maximum service volumes are listed directionally for each ramp.
- (3) Ramp LOS C maximum service volumes are from the HCS Analysis.
- (4) Freeway and Arterial LOS C maximum service volumes are obtained from FDOT 2020 Generalized Service Volume Tables.
- (5) Mainline and ramp AADT, K and D factors are obtained from the ongoing design volume development effort.

DRAFT

APPENDIX B

PREDICTED NOISE LEVELS

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Pine Hollow and Possum Pass	Pine Hollow	9	RE1	B	Residential	1	66.5	YES
Pine Hollow and Possum Pass	Pine Hollow	9	RE2	B	Residential	1	68.5	YES
Pine Hollow and Possum Pass	Pine Hollow	9	RE3	B	Residential	1	65.4	NO
Pine Hollow and Possum Pass	Pine Hollow	9	RE4	B	Residential	1	66.8	YES
Pine Hollow and Possum Pass	Pine Hollow	9	RE5	B	Residential	1	63.5	NO
Pine Hollow and Possum Pass	Possum Pass	10	RE6	B	Residential	1	69.5	YES
Pine Hollow and Possum Pass	Possum Pass	10	RE7	B	Residential	1	68.1	YES
Pine Hollow and Possum Pass	Possum Pass	10	RE8	B	Residential	1	72.3	YES
Terracina	Terracina	13	RE9	B	Residential	1	65.3	NO
Terracina	Terracina	14	RE10	B	Residential	1	66.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	15	RE11	B	Residential	1	66.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	15	RE12	B	Residential	1	67.3	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE13	B	Residential	1	67.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE14	B	Residential	1	68.7	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE15	B	Residential	1	69.4	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE16	B	Residential	1	70	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE17	B	Residential	1	70.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE18	B	Residential	1	71.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE19	B	Residential	1	69.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE20	B	Residential	1	72.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE21	B	Residential	1	74.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE22	B	Residential	1	74.5	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE23	B	Residential	1	72.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE24	B	Residential	1	69.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE25	B	Residential	1	70.3	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE26	B	Residential	1	69.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE27	B	Residential	1	68.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE28	B	Residential	1	67.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE29	B	Residential	1	66.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE30	B	Residential	1	66.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE31	B	Residential	1	65.9	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE32	B	Residential	1	65.3	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE33	B	Residential	1	65	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE34	B	Residential	1	67	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE35	B	Residential	1	67.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE36	B	Residential	1	67.7	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE37	B	Residential	1	66.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE38	B	Residential	1	65.5	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE39	B	Residential	1	65.7	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE40	B	Residential	1	66.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE41	B	Residential	1	65.9	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE42	B	Residential	1	64.4	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE43	B	Residential	1	64.5	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE44	B	Residential	1	63.2	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE45	B	Residential	1	63	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE46	B	Residential	1	63.4	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE47	B	Residential	1	64	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE48	B	Residential	1	64.4	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE49	B	Residential	1	62.9	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE50	B	Residential	1	61.7	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE51	B	Residential	1	63.8	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE52	B	Residential	1	63.7	NO
Residences from Jog Rd. to Okeechobee Blvd.	Meadowbrook Mobile Home Park	16	RE53	B	Residential	1	63.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE220	B	Residential	1	64.3	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE221	B	Residential	1	63.7	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE222	B	Residential	1	63.3	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE223	B	Residential	1	63	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE224	B	Residential	1	62.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE225	B	Residential	1	62.8	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE226	B	Residential	1	62.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE227	B	Residential	1	62.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE228	B	Residential	1	61.7	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE229	B	Residential	1	61.9	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE230	B	Residential	1	61.7	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE231	B	Residential	1	61.7	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE232	B	Residential	1	62.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE233	B	Residential	1	62.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE234	B	Residential	1	63	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE235	B	Residential	1	62.7	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE236	B	Residential	1	62.9	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE237	B	Residential	1	63.3	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE238	B	Residential	1	63.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE239	B	Residential	1	63.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE240	B	Residential	1	63.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE241	B	Residential	1	63	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE242	B	Residential	1	63.9	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE243	B	Residential	1	62.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE244	B	Residential	1	60.4	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE245	B	Residential	1	60	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE246	B	Residential	1	59.8	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE247	B	Residential	1	59.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE248	B	Residential	1	59.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE249	B	Residential	1	59.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE250	B	Residential	1	59.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE251	B	Residential	1	59.3	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE252	B	Residential	1	59.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE253	B	Residential	1	59.1	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE254	B	Residential	1	59.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE255	B	Residential	1	59.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE256	B	Residential	1	59.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE257	B	Residential	1	59.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE258	B	Residential	1	59.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE259	B	Residential	1	59.6	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE260	B	Residential	1	59.7	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE261	B	Residential	1	59.9	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE262	B	Residential	1	60.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE263	B	Residential	1	60.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE264	B	Residential	1	61.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE265	B	Residential	1	63	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE266	B	Residential	1	62.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE267	B	Residential	1	61.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE268	B	Residential	1	59.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE269	B	Residential	1	59.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE270	B	Residential	1	58.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE271	B	Residential	1	58.3	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE272	B	Residential	1	57.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE273	B	Residential	1	57.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE274	B	Residential	1	56.3	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE275	B	Residential	1	55.9	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE276	B	Residential	1	55.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE277	B	Residential	1	56.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE278	B	Residential	1	56.8	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE279	B	Residential	1	57.1	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE280	B	Residential	1	57.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE281	B	Residential	1	58	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE282	B	Residential	1	58	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE283	B	Residential	1	58.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE284	B	Residential	1	59.8	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE285	B	Residential	1	58.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE286	B	Residential	1	59.3	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE287	B	Residential	1	58.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE288	B	Residential	1	59	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE289	B	Residential	1	57.6	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE290	B	Residential	1	58.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE291	B	Residential	1	57.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE292	B	Residential	1	56.8	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE293	B	Residential	1	57	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE294	B	Residential	1	56.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE295	B	Residential	1	56.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE296	B	Residential	1	55.9	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE297	B	Residential	1	56	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE298	B	Residential	1	55.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE299	B	Residential	1	55.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE300	B	Residential	1	54.8	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE301	B	Residential	1	55.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE302	B	Residential	1	54.3	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE303	B	Residential	1	55.1	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE304	B	Residential	1	54.2	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE305	B	Residential	1	54.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE306	B	Residential	1	53.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE307	B	Residential	1	54.3	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE308	B	Residential	1	53.7	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE309	B	Residential	1	54	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE310	B	Residential	1	53.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE311	B	Residential	1	55.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE312	B	Residential	1	55.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE313	B	Residential	1	54.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE314	B	Residential	1	54.3	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE315	B	Residential	1	53.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE316	B	Residential	1	53.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE317	B	Residential	1	52.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE318	B	Residential	1	64.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE319	B	Residential	1	59	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE320	B	Residential	1	57.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE321	B	Residential	1	55.9	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE322	B	Residential	1	55.2	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE323	B	Residential	1	54.4	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE324	B	Residential	1	53.7	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE325	B	Residential	1	53.1	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE326	B	Residential	1	52.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE327	B	Residential	1	52.1	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE328	B	Residential	1	51.9	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE329	B	Residential	1	51.6	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE330	B	Residential	1	51.7	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE331	B	Residential	1	52	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE332	B	Residential	1	52.5	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE333	B	Residential	1	52.8	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE334	B	Residential	1	53.1	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE335	B	Residential	1	53.7	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE336	B	Residential	1	54.3	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE337	B	Residential	1	55.1	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE338	B	Residential	1	55.8	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE339	B	Residential	1	56.9	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE340	B	Residential	1	58.1	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE341	B	Residential	1	60.1	NO
Palm Beach National Golf and Country Club	Palm Beach National Golf and Country Club	2	RE342	B	Residential	1	59.7	NO
Pine Hollow and Possum Pass	Pine Hollow	9	RE343	B	Residential	1	62.7	NO
Pine Hollow and Possum Pass	Pine Hollow	9	RE344	B	Residential	1	63.8	NO
Pine Hollow and Possum Pass	Possum Pass	11	RE345	B	Residential	1	61.3	NO
Pine Hollow and Possum Pass	Possum Pass	11	RE346	B	Residential	1	61.8	NO
Pine Hollow and Possum Pass	Possum Pass	11	RE347	B	Residential	1	65.7	NO
Pine Hollow and Possum Pass	Possum Pass	11	RE348	B	Residential	1	64.3	NO
Terracina	Terracina	14	RE349	B	Residential	1	62.5	NO
Terracina	Terracina	14	RE350	B	Residential	1	62.8	NO
Terracina	Terracina	14	RE351	B	Residential	1	63.2	NO
Terracina	Terracina	14	RE352	B	Residential	1	63.9	NO
Terracina	Terracina	14	RE353	B	Residential	1	62.8	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Terracina	Terracina	14	RE354	B	Residential	1	63.7	NO
Terracina	Terracina	14	RE355	B	Residential	1	64.5	NO
Terracina	Terracina	14	RE356	B	Residential	1	67	YES
Terracina	Terracina	14	RE357	B	Residential	1	67.3	YES
Century Village	Century Village	18	RE100A	B	Residential	2	65.9	NO
Century Village	Century Village	18	RE100B	B	Residential	2	68.9	YES
Century Village	Century Village	18	RE101A	B	Residential	2	66	YES
Century Village	Century Village	18	RE101B	B	Residential	2	69	YES
Century Village	Century Village	18	RE102A	B	Residential	2	67.1	YES
Century Village	Century Village	18	RE102B	B	Residential	2	69.9	YES
Century Village	Century Village	18	RE103A	B	Residential	2	67.3	YES
Century Village	Century Village	18	RE103B	B	Residential	2	70.2	YES
Century Village	Century Village	18	RE104A	B	Residential	2	68.6	YES
Century Village	Century Village	18	RE104B	B	Residential	2	71.3	YES
Century Village	Century Village	18	RE105A	B	Residential	2	69.2	YES
Century Village	Century Village	18	RE105B	B	Residential	2	71.8	YES
Century Village	Century Village	18	RE106A	B	Residential	2	70.3	YES
Century Village	Century Village	18	RE106B	B	Residential	2	72.7	YES
Century Village	Century Village	18	RE107A	B	Residential	2	70.7	YES
Century Village	Century Village	18	RE107B	B	Residential	2	73	YES
Century Village	Century Village	18	RE108A	B	Residential	2	71.7	YES
Century Village	Century Village	18	RE108B	B	Residential	2	73.8	YES
Century Village	Century Village	18	RE109A	B	Residential	2	72.2	YES
Century Village	Century Village	18	RE109B	B	Residential	2	74.1	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	18	RE110A	B	Residential	2	69.4	YES
Century Village	Century Village	18	RE110B	B	Residential	2	71.7	YES
Century Village	Century Village	18	RE111A	B	Residential	2	69.4	YES
Century Village	Century Village	18	RE111B	B	Residential	2	71.9	YES
Century Village	Century Village	18	RE113A	B	Residential	2	66.1	YES
Century Village	Century Village	18	RE113B	B	Residential	2	69.1	YES
Century Village	Century Village	18	RE114A	B	Residential	2	65.5	NO
Century Village	Century Village	18	RE114B	B	Residential	2	68.4	YES
Century Village	Century Village	18	RE115A	B	Residential	2	63.8	NO
Century Village	Century Village	18	RE115B	B	Residential	2	66.4	YES
Century Village	Century Village	18	RE116A	B	Residential	2	64.2	NO
Century Village	Century Village	18	RE116B	B	Residential	2	66.6	YES
Century Village	Century Village	18	RE117A	B	Residential	2	64.5	NO
Century Village	Century Village	18	RE117B	B	Residential	2	66.8	YES
Century Village	Century Village	18	RE118A	B	Residential	2	56.9	NO
Century Village	Century Village	18	RE118B	B	Residential	2	59.9	NO
Century Village	Century Village	18	RE119A	B	Residential	2	57.9	NO
Century Village	Century Village	18	RE119B	B	Residential	2	60.9	NO
Century Village	Century Village	18	RE120A	B	Residential	2	56.5	NO
Century Village	Century Village	18	RE120B	B	Residential	2	59.5	NO
Century Village	Century Village	18	RE121A	B	Residential	2	61.4	NO
Century Village	Century Village	18	RE121B	B	Residential	2	63.8	NO
Century Village	Century Village	18	RE122A	B	Residential	2	64.1	NO
Century Village	Century Village	18	RE122B	B	Residential	2	66.4	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	18	RE123A	B	Residential	2	63.7	NO
Century Village	Century Village	18	RE123B	B	Residential	2	66	YES
Century Village	Century Village	18	RE124A	B	Residential	2	73.4	YES
Century Village	Century Village	18	RE124B	B	Residential	2	74.9	YES
Century Village	Century Village	18	RE125A	B	Residential	2	73.4	YES
Century Village	Century Village	118	RE125B	B	Residential	2	75	YES
Century Village	Century Village	18	RE126A	B	Residential	2	73.5	YES
Century Village	Century Village	18	RE126B	B	Residential	2	75	YES
Century Village	Century Village	18	RE127A	B	Residential	2	73.5	YES
Century Village	Century Village	18	RE127B	B	Residential	2	75.1	YES
Century Village	Century Village	18	RE128A	B	Residential	2	72.6	YES
Century Village	Century Village	18	RE128B	B	Residential	2	74.3	YES
Century Village	Century Village	18	RE129A	B	Residential	2	70.9	YES
Century Village	Century Village	18	RE129B	B	Residential	2	72.7	YES
Century Village	Century Village	18	RE130A	B	Residential	2	69.4	YES
Century Village	Century Village	18	RE130B	B	Residential	2	71	YES
Century Village	Century Village	18	RE131A	B	Residential	2	68.3	YES
Century Village	Century Village	18	RE131B	B	Residential	2	69.9	YES
Century Village	Century Village	18	RE132A	B	Residential	2	66.7	YES
Century Village	Century Village	18	RE132B	B	Residential	2	68.5	YES
Century Village	Century Village	18	RE133A	B	Residential	2	65.4	NO
Century Village	Century Village	18	RE133B	B	Residential	2	67.1	YES
Century Village	Century Village	18	RE134A	B	Residential	2	62.2	NO
Century Village	Century Village	18	RE134B	B	Residential	2	64.5	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	18	RE135A	B	Residential	2	63.6	NO
Century Village	Century Village	18	RE135B	B	Residential	2	65.5	NO
Century Village	Century Village	18	RE136A	B	Residential	2	61.9	NO
Century Village	Century Village	18	RE136B	B	Residential	2	63.8	NO
Century Village	Century Village	18	RE137A	B	Residential	2	62.7	NO
Century Village	Century Village	18	RE137B	B	Residential	2	64.7	NO
Century Village	Century Village	18	RE138A	B	Residential	2	63.5	NO
Century Village	Century Village	18	RE138B	B	Residential	2	65.3	NO
Century Village	Century Village	18	RE139A	B	Residential	2	65	NO
Century Village	Century Village	18	RE139B	B	Residential	2	66.9	YES
Century Village	Century Village	18	RE140A	B	Residential	2	66.6	YES
Century Village	Century Village	18	RE140B	B	Residential	2	68.1	YES
Century Village	Century Village	18	RE141A	B	Residential	2	67.6	YES
Century Village	Century Village	18	RE141B	B	Residential	2	69.3	YES
Century Village	Century Village	18	RE142A	B	Residential	2	68.9	YES
Century Village	Century Village	18	RE142B	B	Residential	2	70.4	YES
Century Village	Century Village	18	RE143A	B	Residential	2	70.9	YES
Century Village	Century Village	18	RE143B	B	Residential	2	72.4	YES
Century Village	Century Village	18	RE144A	B	Residential	2	73.7	YES
Century Village	Century Village	18	RE144B	B	Residential	2	75.3	YES
Century Village	Century Village	18	RE145A	B	Residential	2	73.7	YES
Century Village	Century Village	18	RE145B	B	Residential	2	75.4	YES
Century Village	Century Village	18	RE146A	B	Residential	2	74	YES
Century Village	Century Village	18	RE146B	B	Residential	2	75.6	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	18	RE147A	B	Residential	2	74	YES
Century Village	Century Village	18	RE147B	B	Residential	2	75.6	YES
Century Village	Century Village	19	RE148A	B	Residential	2	73.4	YES
Century Village	Century Village	19	RE148B	B	Residential	2	75	YES
Century Village	Century Village	19	RE149A	B	Residential	2	72.6	YES
Century Village	Century Village	19	RE149B	B	Residential	2	74.2	YES
Century Village	Century Village	19	RE150A	B	Residential	2	71.1	YES
Century Village	Century Village	19	RE150B	B	Residential	2	72.7	YES
Century Village	Century Village	19	RE151A	B	Residential	2	69.1	YES
Century Village	Century Village	19	RE151B	B	Residential	2	70.6	YES
Century Village	Century Village	19	RE152A	B	Residential	2	67.7	YES
Century Village	Century Village	19	RE152B	B	Residential	2	69.2	YES
Century Village	Century Village	19	RE153A	B	Residential	2	66.5	YES
Century Village	Century Village	19	RE153B	B	Residential	2	67.8	YES
Century Village	Century Village	19	RE154A	B	Residential	2	67.2	YES
Century Village	Century Village	19	RE154B	B	Residential	2	68.2	YES
Century Village	Century Village	19	RE155A	B	Residential	2	67.5	YES
Century Village	Century Village	19	RE155B	B	Residential	2	68.5	YES
Century Village	Century Village	19	RE156A	B	Residential	2	67.3	YES
Century Village	Century Village	19	RE156B	B	Residential	2	68.4	YES
Century Village	Century Village	19	RE157A	B	Residential	2	67	YES
Century Village	Century Village	19	RE157B	B	Residential	2	68.7	YES
Century Village	Century Village	19	RE158A	B	Residential	2	68.3	YES
Century Village	Century Village	19	RE158B	B	Residential	2	70	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	19	RE159A	B	Residential	2	70	YES
Century Village	Century Village	19	RE159B	B	Residential	2	71.7	YES
Century Village	Century Village	19	RE160A	B	Residential	2	72	YES
Century Village	Century Village	19	RE160B	B	Residential	2	73.7	YES
Century Village	Century Village	19	RE161A	B	Residential	2	74.4	YES
Century Village	Century Village	19	RE161B	B	Residential	2	76.2	YES
Century Village	Century Village	19	RE162A	B	Residential	2	74.5	YES
Century Village	Century Village	19	RE162B	B	Residential	2	76.3	YES
Century Village	Century Village	19	RE163A	B	Residential	2	73.7	YES
Century Village	Century Village	19	RE163B	B	Residential	2	75.4	YES
Century Village	Century Village	19	RE164A	B	Residential	2	71.7	YES
Century Village	Century Village	19	RE164B	B	Residential	2	73.4	YES
Century Village	Century Village	19	RE165A	B	Residential	2	70.3	YES
Century Village	Century Village	19	RE165B	B	Residential	2	72	YES
Century Village	Century Village	19	RE166A	B	Residential	2	69.2	YES
Century Village	Century Village	19	RE166B	B	Residential	2	70.8	YES
Century Village	Century Village	19	RE167A	B	Residential	2	68.1	YES
Century Village	Century Village	19	RE167B	B	Residential	2	69.5	YES
Century Village	Century Village	19	RE168A	B	Residential	2	68.6	YES
Century Village	Century Village	19	RE168B	B	Residential	2	69.8	YES
Century Village	Century Village	19	RE169A	B	Residential	2	68.6	YES
Century Village	Century Village	19	RE169B	B	Residential	2	69.9	YES
Century Village	Century Village	19	RE170A	B	Residential	2	68.4	YES
Century Village	Century Village	19	RE170B	B	Residential	2	70.2	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	19	RE171A	B	Residential	2	69.3	YES
Century Village	Century Village	19	RE171B	B	Residential	2	71	YES
Century Village	Century Village	19	RE172A	B	Residential	2	69.6	YES
Century Village	Century Village	19	RE172B	B	Residential	2	71.1	YES
Century Village	Century Village	19	RE173A	B	Residential	2	71.4	YES
Century Village	Century Village	19	RE173B	B	Residential	2	73.4	YES
Century Village	Century Village	19	RE174A	B	Residential	2	71.2	YES
Century Village	Century Village	19	RE174B	B	Residential	2	73.2	YES
Century Village	Century Village	19	RE175A	B	Residential	2	73.8	YES
Century Village	Century Village	19	RE175B	B	Residential	2	75.5	YES
Century Village	Century Village	19	RE176A	B	Residential	2	74.4	YES
Century Village	Century Village	19	RE176B	B	Residential	2	76.2	YES
Century Village	Century Village	19	RE177A	B	Residential	2	72	YES
Century Village	Century Village	19	RE177B	B	Residential	2	73.8	YES
Century Village	Century Village	19	RE178A	B	Residential	2	71.5	YES
Century Village	Century Village	19	RE178B	B	Residential	2	73.4	YES
Century Village	Century Village	19	RE179A	B	Residential	2	68.6	YES
Century Village	Century Village	19	RE179B	B	Residential	2	70.7	YES
Century Village	Century Village	19	RE180A	B	Residential	2	68.5	YES
Century Village	Century Village	19	RE180B	B	Residential	2	70.8	YES
Century Village	Century Village	19	RE181A	B	Residential	2	65.7	NO
Century Village	Century Village	19	RE181B	B	Residential	2	68.3	YES
Century Village	Century Village	19	RE182A	B	Residential	2	65.5	NO
Century Village	Century Village	19	RE182B	B	Residential	2	68.1	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	19	RE183A	B	Residential	2	64.5	NO
Century Village	Century Village	19	RE183B	B	Residential	2	67.2	YES
Century Village	Century Village	19	RE184A	B	Residential	2	66.2	YES
Century Village	Century Village	19	RE184B	B	Residential	2	68.6	YES
Century Village	Century Village	19	RE185A	B	Residential	2	68.3	YES
Century Village	Century Village	19	RE185B	B	Residential	2	70.5	YES
Century Village	Century Village	19	RE186A	B	Residential	2	68.7	YES
Century Village	Century Village	19	RE186B	B	Residential	2	70.7	YES
Century Village	Century Village	19	RE187A	B	Residential	2	71.7	YES
Century Village	Century Village	19	RE187B	B	Residential	2	73.6	YES
Century Village	Century Village	19	RE188A	B	Residential	2	72.5	YES
Century Village	Century Village	19	RE188B	B	Residential	2	74.4	YES
Century Village	Century Village	19	RE189A	B	Residential	2	72.7	YES
Century Village	Century Village	19	RE189B	B	Residential	2	74.3	YES
Century Village	Century Village	19	RE190A	B	Residential	2	70.9	YES
Century Village	Century Village	19	RE190B	B	Residential	2	72.5	YES
Century Village	Century Village	19	RE191A	B	Residential	2	69.5	YES
Century Village	Century Village	19	RE191B	B	Residential	2	71.5	YES
Century Village	Century Village	19	RE192A	B	Residential	2	68.3	YES
Century Village	Century Village	19	RE192B	B	Residential	2	70.3	YES
Century Village	Century Village	19	RE193A	B	Residential	2	67.2	YES
Century Village	Century Village	19	RE193B	B	Residential	2	69.6	YES
Century Village	Century Village	19	RE194A	B	Residential	2	67.5	YES
Century Village	Century Village	19	RE194B	B	Residential	2	69.8	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	19	RE195A	B	Residential	2	67.6	YES
Century Village	Century Village	19	RE195B	B	Residential	2	70.1	YES
Century Village	Century Village	19	RE196A	B	Residential	2	67.5	YES
Century Village	Century Village	19	RE196B	B	Residential	2	69.9	YES
Century Village	Century Village	19	RE197A	B	Residential	2	68.1	YES
Century Village	Century Village	19	RE197B	B	Residential	2	70.4	YES
Century Village	Century Village	19	RE198A	B	Residential	2	69.5	YES
Century Village	Century Village	19	RE198B	B	Residential	2	71.5	YES
Century Village	Century Village	19	RE199A	B	Residential	2	71.1	YES
Century Village	Century Village	19	RE199B	B	Residential	2	72.8	YES
Century Village	Century Village	19	RE200A	B	Residential	2	73.1	YES
Century Village	Century Village	19	RE200B	B	Residential	2	74.6	YES
Century Village	Century Village	19	RE201A	B	Residential	2	59.7	NO
Century Village	Century Village	19	RE201B	B	Residential	2	62.6	NO
Century Village	Century Village	19	RE202A	B	Residential	2	59.4	NO
Century Village	Century Village	19	RE202B	B	Residential	2	62.5	NO
Century Village	Century Village	19	RE203A	B	Residential	2	61	NO
Century Village	Century Village	19	RE203B	B	Residential	2	63.5	NO
Century Village	Century Village	19	RE204A	B	Residential	2	61.9	NO
Century Village	Century Village	19	RE204B	B	Residential	2	64.4	NO
Century Village	Century Village	19	RE205A	B	Residential	2	60.6	NO
Century Village	Century Village	19	RE205B	B	Residential	2	63.3	NO
Century Village	Century Village	19	RE206A	B	Residential	2	61.4	NO
Century Village	Century Village	19	RE206B	B	Residential	2	64.2	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	19	RE207A	B	Residential	2	59.3	NO
Century Village	Century Village	19	RE207B	B	Residential	2	62.5	NO
Century Village	Century Village	19	RE208A	B	Residential	2	61	NO
Century Village	Century Village	19	RE208B	B	Residential	2	63.7	NO
Century Village	Century Village	19	RE209A	B	Residential	2	60.5	NO
Century Village	Century Village	19	RE209B	B	Residential	2	63.3	NO
Century Village	Century Village	19	RE210A	B	Residential	2	59.8	NO
Century Village	Century Village	19	RE210B	B	Residential	2	63	NO
Century Village	Century Village	19	RE211A	B	Residential	2	56.4	NO
Century Village	Century Village	19	RE211B	B	Residential	2	59.6	NO
Century Village	Century Village	19	RE212A	B	Residential	2	56.7	NO
Century Village	Century Village	19	RE212B	B	Residential	2	59.9	NO
Century Village	Century Village	19	RE213A	B	Residential	2	59.7	NO
Century Village	Century Village	19	RE213B	B	Residential	2	62.5	NO
Century Village	Century Village	19	RE214A	B	Residential	2	63.6	NO
Century Village	Century Village	19	RE214B	B	Residential	2	66.6	YES
Century Village	Century Village	19	RE215A	B	Residential	2	62.8	NO
Century Village	Century Village	19	RE215B	B	Residential	2	65.7	NO
Century Village	Century Village	19	RE216A	B	Residential	2	62.7	NO
Century Village	Century Village	19	RE216B	B	Residential	2	65.5	NO
Century Village	Century Village	19	RE217A	B	Residential	2	63.1	NO
Century Village	Century Village	19	RE217B	B	Residential	2	66.1	YES
Century Village	Century Village	19	RE218A	B	Residential	2	63.4	NO
Century Village	Century Village	19	RE218B	B	Residential	2	66.6	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	19	RE219A	B	Residential	2	63.3	NO
Century Village	Century Village	19	RE219B	B	Residential	2	66.5	YES
Century Village	Century Village	18	RE358A	B	Residential	2	64.6	NO
Century Village	Century Village	18	RE358B	B	Residential	2	67.8	YES
Century Village	Century Village	18	RE359A	B	Residential	2	64.6	NO
Century Village	Century Village	18	RE359B	B	Residential	2	67.8	YES
Century Village	Century Village	18	RE360A	B	Residential	2	64.5	NO
Century Village	Century Village	18	RE360B	B	Residential	2	67.7	YES
Century Village	Century Village	18	RE361A	B	Residential	2	64.4	NO
Century Village	Century Village	18	RE361B	B	Residential	2	67.6	YES
Century Village	Century Village	18	RE362A	B	Residential	2	64.4	NO
Century Village	Century Village	18	RE362B	B	Residential	2	67.6	YES
Century Village	Century Village	18	RE363A	B	Residential	2	64.4	NO
Century Village	Century Village	18	RE363B	B	Residential	2	67.6	YES
Century Village	Century Village	18	RE364A	B	Residential	2	62	NO
Century Village	Century Village	18	RE365A	B	Residential	2	62.4	NO
Century Village	Century Village	18	RE365B	B	Residential	2	65.5	NO
Century Village	Century Village	18	RE365B	B	Residential	2	65.2	NO
Century Village	Century Village	18	RE366A	B	Residential	2	64.3	NO
Century Village	Century Village	18	RE366B	B	Residential	2	67.3	YES
Century Village	Century Village	18	RE367A	B	Residential	2	64.4	NO
Century Village	Century Village	18	RE367B	B	Residential	2	67.3	YES
Century Village	Century Village	18	RE368A	B	Residential	2	64.2	NO
Century Village	Century Village	18	RE368B	B	Residential	2	67.2	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	18	RE369A	B	Residential	2	64.2	NO
Century Village	Century Village	18	RE369B	B	Residential	2	67.1	YES
Century Village	Century Village	18	RE370A	B	Residential	2	64.2	NO
Century Village	Century Village	18	RE370B	B	Residential	2	67	YES
Century Village	Century Village	18	RE371A	B	Residential	2	64.1	NO
Century Village	Century Village	18	RE371B	B	Residential	2	67	YES
Century Village	Century Village	18	RE372A	B	Residential	2	64.9	NO
Century Village	Century Village	18	RE372B	B	Residential	2	67.9	YES
Century Village	Century Village	18	RE373A	B	Residential	2	65.2	NO
Century Village	Century Village	18	RE373B	B	Residential	2	68.2	YES
Century Village	Century Village	18	RE374A	B	Residential	2	62.2	NO
Century Village	Century Village	18	RE374B	B	Residential	2	65.4	NO
Century Village	Century Village	18	RE375A	B	Residential	2	61.4	NO
Century Village	Century Village	18	RE375B	B	Residential	2	64.7	NO
Century Village	Century Village	18	RE376A	B	Residential	2	64.9	NO
Century Village	Century Village	18	RE376B	B	Residential	2	61.6	NO
Century Village	Century Village	18	RE377A	B	Residential	2	65.1	NO
Century Village	Century Village	18	RE377B	B	Residential	2	62	NO
Century Village	Century Village	18	RE378A	B	Residential	2	62.8	NO
Century Village	Century Village	18	RE378B	B	Residential	2	65.5	NO
Century Village	Century Village	19	RE379A	B	Residential	2	61.5	NO
Century Village	Century Village	18	RE379B	B	Residential	2	63.7	NO
Century Village	Century Village	19	RE380A	B	Residential	2	62.3	NO
Century Village	Century Village	18	RE380B	B	Residential	2	64.5	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Century Village	Century Village	19	RE381A	B	Residential	2	63.1	NO
Century Village	Century Village	18	RE381B	B	Residential	2	65.2	NO
Century Village	Century Village	19	RE382A	B	Residential	2	63.4	NO
Century Village	Century Village	18	RE382B	B	Residential	2	65.5	NO
Century Village	Century Village	19	RE383A	B	Residential	2	64	NO
Century Village	Century Village	19	RE383B	B	Residential	2	66.1	YES
Century Village	Century Village	19	RE384A	B	Residential	2	64.3	NO
Century Village	Century Village	19	RE384B	B	Residential	2	66.5	YES
Century Village	Century Village	19	RE385A	B	Residential	2	64.4	NO
Century Village	Century Village	19	RE385B	B	Residential	2	66.6	YES
Century Village	Century Village	19	RE386A	B	Residential	2	64.2	NO
Century Village	Century Village	19	RE386B	B	Residential	2	66.4	YES
Century Village	Century Village	19	RE387A	B	Residential	2	63.3	NO
Century Village	Century Village	19	RE387B	B	Residential	2	65.5	NO
Century Village	Century Village	19	RE388A	B	Residential	2	64.4	NO
Century Village	Century Village	19	RE388B	B	Residential	2	66	YES
Century Village	Century Village	19	RE389A	B	Residential	2	63.5	NO
Century Village	Century Village	19	RE389B	B	Residential	2	65.7	NO
Century Village	Century Village	19	RE390A	B	Residential	2	63.5	NO
Century Village	Century Village	19	RE390B	B	Residential	2	65.7	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE55A	B	Residential	1	73.4	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE55B	B	Residential	1	75.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE55C	B	Residential	1	76.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE56A	B	Residential	1	67.5	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE56B	B	Residential	1	69.4	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE56C	B	Residential	1	70.4	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE57A	B	Residential	1	66	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE57B	B	Residential	1	67.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE57C	B	Residential	1	68.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE58A	B	Residential	1	65.3	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE58B	B	Residential	1	67.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE58C	B	Residential	1	68.3	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE59A	B	Residential	1	64.9	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE59B	B	Residential	1	66.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE59C	B	Residential	1	68	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE60A	B	Residential	1	74.3	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE60B	B	Residential	1	76.4	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE60C	B	Residential	1	77.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE61A	B	Residential	1	73.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE61B	B	Residential	1	75.4	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE61C	B	Residential	1	76.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE62A	B	Residential	1	72.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE62B	B	Residential	1	74.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE62C	B	Residential	1	75.3	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE63A	B	Residential	1	71.4	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE63B	B	Residential	1	73.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE63C	B	Residential	1	74.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE64A	B	Residential	1	71.1	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE64B	B	Residential	1	73.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE64C	B	Residential	1	74.3	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE65A	B	Residential	1	68.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE65B	B	Residential	1	71	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE65C	B	Residential	1	72	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE66A	B	Residential	1	68.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE66B	B	Residential	1	70.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE66C	B	Residential	1	71.7	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE67A	B	Residential	1	61.2	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE67B	B	Residential	1	63.8	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE67C	B	Residential	1	65.2	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE68A	B	Residential	1	69.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE68B	B	Residential	1	71.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE68C	B	Residential	1	72.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE69A	B	Residential	1	69.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE69B	B	Residential	1	71.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE69C	B	Residential	1	72.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE70A	B	Residential	1	68.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE70B	B	Residential	1	70.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE70C	B	Residential	1	71.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE71A	B	Residential	1	66.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE71B	B	Residential	1	68.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE71C	B	Residential	1	70.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE72A	B	Residential	1	66	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE72B	B	Residential	1	67.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE72C	B	Residential	1	69.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE73A	B	Residential	1	67.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE73B	B	Residential	1	69	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE73C	B	Residential	1	70.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE74A	B	Residential	1	67.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE74B	B	Residential	1	69.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE74C	B	Residential	1	70.3	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE75A	B	Residential	1	66.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE75B	B	Residential	1	68.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE75C	B	Residential	1	70	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE76A	B	Residential	1	66.4	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE76B	B	Residential	1	68.4	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE76C	B	Residential	1	69.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE77A	B	Residential	1	66	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE77B	B	Residential	1	67.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE77C	B	Residential	1	69.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE78A	B	Residential	1	49	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE78B	B	Residential	1	51.9	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE78C	B	Residential	1	56.6	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE79A	B	Residential	1	68.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE79B	B	Residential	1	70.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE79C	B	Residential	1	71.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE80A	B	Residential	1	61.2	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE80B	B	Residential	1	63.2	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE80C	B	Residential	1	64.8	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE81A	B	Residential	1	69.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE81B	B	Residential	1	72	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE81C	B	Residential	1	72.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE82A	B	Residential	1	69.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE82B	B	Residential	1	71.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE82C	B	Residential	1	72.3	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE83A	B	Residential	1	68.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE83B	B	Residential	1	70.7	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE83C	B	Residential	1	71.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE84A	B	Residential	1	68.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE84B	B	Residential	1	70.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE84C	B	Residential	1	71.4	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE85A	B	Residential	1	68	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE85B	B	Residential	1	69.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE85C	B	Residential	1	71.2	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE86A	B	Residential	1	68.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE86B	B	Residential	1	70.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE86C	B	Residential	1	71.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE87A	B	Residential	1	68.7	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE87B	B	Residential	1	70.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE87C	B	Residential	1	72.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE88A	B	Residential	1	69.5	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE88B	B	Residential	1	71.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE88C	B	Residential	1	72.6	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE89A	B	Residential	1	70	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE89B	B	Residential	1	72	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE89C	B	Residential	1	73.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE90A	B	Residential	1	70.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE90B	B	Residential	1	72.7	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE90C	B	Residential	1	73.8	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE91A	B	Residential	1	55.2	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE91B	B	Residential	1	59.3	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE91C	B	Residential	1	61.1	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE92A	B	Residential	1	63.1	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE92B	B	Residential	1	65.3	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE92C	B	Residential	1	67	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE93A	B	Residential	1	64.1	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE93B	B	Residential	1	66.1	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE93C	B	Residential	1	67.5	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE94A	B	Residential	1	63.2	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE94B	B	Residential	1	65.5	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE94C	B	Residential	1	66.9	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE95A	B	Residential	1	62.2	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE95B	B	Residential	1	64.8	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE95C	B	Residential	1	66.3	YES
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE96A	B	Residential	1	57.7	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE96B	B	Residential	1	61	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE96C	B	Residential	1	62.6	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE97A	B	Residential	1	60.3	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE97B	B	Residential	1	62.9	NO
Residences from Jog Rd. to Okeechobee Blvd.	Brookdale at West Palm Beach	16	RE97C	B	Residential	1	64.3	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW1	B	Residential	1	56.6	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW2	B	Residential	1	60.9	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW3	B	Residential	2	62.8	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW4	B	Residential	2	59.6	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW5	B	Residential	2	61.1	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW6	B	Residential	2	57.7	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW7	B	Residential	1	58.8	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW8	B	Residential	1	61.3	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW9	B	Residential	1	58	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW10	B	Residential	1	61.6	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW11	B	Residential	2	63.3	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW12	B	Residential	2	60	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW13	B	Residential	2	58.7	NO
Villagewalk of Wellington	Villagewalk of Wellington	3	RW14	B	Residential	2	62.7	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW15	B	Residential	1	63.2	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW16	B	Residential	1	62.2	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW17	B	Residential	1	65.3	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW18	B	Residential	1	64.3	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW19	B	Residential	1	62.8	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Villagewalk of Wellington	Villagewalk of Wellington	4	RW20	B	Residential	2	62.5	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW21	B	Residential	2	65.7	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW22	B	Residential	2	63.2	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW23	B	Residential	2	66.1	YES
Villagewalk of Wellington	Villagewalk of Wellington	4	RW24	B	Residential	1	62.3	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW25	B	Residential	1	64.4	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW26	B	Residential	1	66.7	YES
Villagewalk of Wellington	Villagewalk of Wellington	4	RW27	B	Residential	1	63.2	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW28	B	Residential	1	65.7	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW29	B	Residential	1	67.4	YES
Villagewalk of Wellington	Villagewalk of Wellington	4	RW30	B	Residential	1	62.5	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW31	B	Residential	1	64.3	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW32	B	Residential	1	66.5	YES
Villagewalk of Wellington	Villagewalk of Wellington	4	RW33	B	Residential	1	62.7	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW34	B	Residential	1	63.3	NO
Villagewalk of Wellington	Villagewalk of Wellington	4	RW35	B	Residential	1	66.8	YES
Villagewalk of Wellington	Villagewalk of Wellington	5	RW36	B	Residential	1	62.6	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW37	B	Residential	1	64.7	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW38	B	Residential	1	65.9	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW39	B	Residential	1	63	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW40	B	Residential	1	64	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW41	B	Residential	1	66.2	YES
Villagewalk of Wellington	Villagewalk of Wellington	5	RW42	B	Residential	1	62.5	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW43	B	Residential	1	64	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Villagewalk of Wellington	Villagewalk of Wellington	5	RW44	B	Residential	1	65.7	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW45	B	Residential	1	62.7	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW46	B	Residential	1	63.9	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW47	B	Residential	1	66	YES
Villagewalk of Wellington	Villagewalk of Wellington	5	RW48	B	Residential	1	62.8	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW49	B	Residential	1	64.4	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW50	B	Residential	1	65.2	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW51	B	Residential	1	65.1	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW52	B	Residential	1	64.6	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW53	B	Residential	1	64.7	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW54	B	Residential	1	64.9	NO
Villagewalk of Wellington	Villagewalk of Wellington	5	RW55	B	Residential	1	65.1	NO
Palm Beach Central High School	Palm Beach Central High School - Dugout	6	RW56	C	School (exterior)	0	66.4	YES
Palm Beach Central High School	Palm Beach Central High School - Soccer	6	RW57	C	School (exterior)	0	69.8	YES
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW58	B	Residential	1	69.5	YES
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW59	B	Residential	1	65.2	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW60	B	Residential	1	65.2	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW61	B	Residential	1	64.9	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	7	RW62	B	Residential	1	65.5	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW63	B	Residential	1	68	YES
Wendy Ln. to Southern Blvd.	Banyan Lakes	7	RW64	B	Residential	3	76.6	YES
Wendy Ln. to Southern Blvd.	Banyan Lakes	7	RW65	B	Residential	1	75.9	YES
Wendy Ln. to Southern Blvd.	Banyan Lakes	7	RW66	B	Residential	1	76.4	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Wendy Ln. to Southern Blvd.	Banyan Lakes	7	RW67	B	Residential	1	70.8	YES
Wendy Ln. to Southern Blvd.	Banyan Lakes	7	RW68	B	Residential	1	66.5	YES
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW69	B	Residential	1	64.8	NO
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW70	B	Residential	1	65.4	NO
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW71	B	Residential	1	68.3	YES
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW72	B	Residential	1	73.7	YES
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW73	B	Residential	1	74.2	YES
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW74	B	Residential	1	75.4	YES
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW75	B	Residential	1	73.7	YES
Wendy Ln. to Southern Blvd.	7th Place	7	RW76	B	Residential	1	72.7	YES
Wendy Ln. to Southern Blvd.	7th Place	7	RW77	B	Residential	1	67.8	YES
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW78	B	Residential	1	68.7	YES
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW79	B	Residential	1	66.4	YES
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW80	B	Residential	1	64.1	NO
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW81	B	Residential	1	66.5	YES
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW82	B	Residential	1	67.3	YES
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW83	B	Residential	1	68.2	YES
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW84	B	Residential	1	63.9	NO
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW85	B	Residential	1	62.6	NO
Wendy Ln. to Southern Blvd.	81st Ave.	8	RW86	B	Residential	1	62.8	NO
Wendy Ln. to Southern Blvd.	Pioneer Rd.	8	RW87	B	Residential	1	62.8	NO
Kid Sanctuary	Kid Sanctuary	9	RW88	B	Residential	9	75.5	YES
Wendy Ln. to Southern Blvd.	Pioneer Rd.	9	RW89	B	Residential	1	75.3	YES
Wendy Ln. to Southern Blvd.	Pioneer Rd.	9	RW90	B	Residential	1	79	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Wendy Ln. to Southern Blvd.	Sequoia	9	RW91	B	Residential	1	68.4	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW92	B	Residential	1	69.2	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW93	B	Residential	1	69.4	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW94	B	Residential	1	68.8	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW95	B	Residential	1	68.2	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW96	B	Residential	2	67.2	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW97	B	Residential	1	67.2	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW98	B	Residential	2	66.3	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW99	B	Residential	1	63.1	NO
Wendy Ln. to Southern Blvd.	Sequoia	9	RW100	B	Residential	1	63.6	NO
Wendy Ln. to Southern Blvd.	Sequoia	9	RW101	B	Residential	1	68	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW102	B	Residential	1	67.7	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW103	B	Residential	1	67.2	YES
Wendy Ln. to Southern Blvd.	Pioneer Rd.	9	RW104	B	Residential	1	73.1	YES
Wendy Ln. to Southern Blvd.	Armadillo Way	9	RW105	B	Residential	1	67.6	YES
Wendy Ln. to Southern Blvd.	Armadillo Way	9	RW106	B	Residential	1	67.4	YES
Wendy Ln. to Southern Blvd.	Armadillo Way	9	RW107	B	Residential	1	68.2	YES
Wendy Ln. to Southern Blvd.	Armadillo Way	9	RW108	B	Residential	1	72.2	YES
Wendy Ln. to Southern Blvd.	Armadillo Way	9	RW109	B	Residential	1	75	YES
Wendy Ln. to Southern Blvd.	Armadillo Way	10	RW110	B	Residential	1	71.6	YES
Wendy Ln. to Southern Blvd.	Armadillo Way	10	RW111	B	Residential	1	71.3	YES
Feather Rock	Feather Rock	15	RW112	B	Residential	1	60.8	NO
Emerald Dunes Golf Course	Emerald Dunes Golf Course	17	RW113	C	Golf Course	0	77.5	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Emerald Dunes Golf Course	Emerald Dunes Golf Course	17	RW114	C	Golf Course	0	75.1	YES
Emerald Dunes Golf Course	Emerald Dunes Driving Range	17	RW138	C	Golf Course	0	74.4	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW139	B	Residential	2	68.7	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW140	B	Residential	2	71.4	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW141	B	Residential	2	75.6	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW142	B	Residential	2	66.9	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW143	B	Residential	2	75.3	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW144	B	Residential	2	75.1	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW145	B	Residential	2	66.8	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW146	B	Residential	2	70	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW147	B	Residential	2	75.5	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW148	B	Residential	2	65.7	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW149	B	Residential	2	70	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW150	B	Residential	2	75.4	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW151	B	Residential	2	66.6	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW152	B	Residential	2	73.7	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW153	B	Residential	2	66.1	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW154	B	Residential	2	74.2	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW155	B	Residential	2	68.1	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW156	B	Residential	2	75.5	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW157	B	Residential	2	67.7	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW158	B	Residential	2	75.6	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW159	B	Residential	2	67	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW160	B	Residential	2	74.1	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW161	B	Residential	2	65.6	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW162	B	Residential	2	73.3	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW163	B	Residential	2	66	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW164	B	Residential	2	74.9	YES
Renaissance and The Cove I & II at Briar Bay	The Cove I at Briar Bay	20	RW165	B	Residential	1	65.8	NO
Grassy Waters Elementary	Grassy Waters Elem. - Basketball Court	21	RW166	C	School (exterior)	0	68.4	YES
Grassy Waters Elementary	Grassy Waters Elem. - Baseball Field	21	RW167	C	School (exterior)	0	70.5	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW169	B	Residential	1	63	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW170	B	Residential	1	60.2	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW171	B	Residential	1	61.4	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW172	B	Residential	1	61.7	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW173	B	Residential	1	61.7	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW174	B	Residential	1	61.7	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay		RW175	B	Residential	1	61.6	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay		RW176	B	Residential	1	61.5	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay		RW177	B	Residential	1	61.4	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW178	B	Residential	1	73.3	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW179	B	Residential	1	73.3	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW180	B	Residential	1	73.3	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW181	B	Residential	1	73.3	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW182	B	Residential	1	73.1	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW183	B	Residential	1	73.2	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW184	B	Residential	1	73.2	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW185	B	Residential	1	73.2	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW186	B	Residential	1	73.2	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW187	B	Residential	1	73.3	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW188	B	Residential	1	73.2	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW189	B	Residential	1	73.3	YES
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW192	B	Residential	1	71.6	YES
Palm Beach Ranchettes	Palm Beach Ranchettes	3	RW193	B	Residential	1	63.9	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW194	B	Residential	1	63	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW195	B	Residential	1	64.1	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	3	RW196	B	Residential	1	61.2	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW197	B	Residential	1	61	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW198	B	Residential	1	61	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW199	B	Residential	1	64.5	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW200	B	Residential	1	59.7	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW201	B	Residential	1	64.7	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW202	B	Residential	1	63.5	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW203	B	Residential	1	59.9	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW204	B	Residential	1	59.6	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW205	B	Residential	1	71.4	YES
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW206	B	Residential	1	66.9	YES
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW207	B	Residential	1	66.6	YES
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW208	B	Residential	1	73.2	YES
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW209	B	Residential	1	71.6	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW210	B	Residential	1	70.2	YES
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW211	B	Residential	1	73	YES
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW212	B	Residential	1	63.6	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW213	B	Residential	1	63.8	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW214	B	Residential	1	65.7	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW215	B	Residential	1	65.4	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW216	B	Residential	1	60.2	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW217	B	Residential	1	61	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW218	B	Residential	1	61.4	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW219	B	Residential	1	61.9	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW220	B	Residential	1	62.3	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW221	B	Residential	1	59.3	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW222	B	Residential	1	58.9	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW223	B	Residential	1	58.5	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW224	B	Residential	1	58.1	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW225	B	Residential	1	58.2	NO
Palm Beach Ranchettes	Palm Beach Ranchettes	1	RW226	B	Residential	1	57.5	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW227	B	Residential	1	73.2	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW228	B	Residential	1	73.2	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW229	B	Residential	1	73.2	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW230	B	Residential	1	73.1	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW231	B	Residential	1	73.1	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW232	B	Residential	1	73.2	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW233	B	Residential	1	73.1	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW234	B	Residential	1	73.1	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW235	B	Residential	1	73.1	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW236	B	Residential	1	73.1	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW237	B	Residential	1	73.1	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW238	B	Residential	1	73.2	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW239	B	Residential	1	58	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW240	B	Residential	1	57.2	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW241	B	Residential	1	56.5	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW242	B	Residential	1	56.9	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW243	B	Residential	1	60	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW244	B	Residential	1	61.5	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW245	B	Residential	1	63.9	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW246	B	Residential	1	63.1	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW247	B	Residential	1	61.6	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW248	B	Residential	1	61	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW249	B	Residential	1	61.3	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW250	B	Residential	1	61.1	NO
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW251	B	Residential	1	67.9	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW252	B	Residential	1	67.7	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW253	B	Residential	1	67.6	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW254	B	Residential	1	67.5	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW255	B	Residential	1	67.5	YES
Renaissance and The Cove I & II at Briar Bay	The Cove II at Briar Bay	21	RW256	B	Residential	1	67.8	YES
Renaissance and The Cove I & II at Briar Bay	The Cove I at Briar Bay	21	RW257	B	Residential	1	65.5	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Renaissance and The Cove I & II at Briar Bay	The Cove I at Briar Bay	21	RW258	B	Residential	1	65.1	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW259	B	Residential	2	66.3	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW260	B	Residential	2	65.7	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW261	B	Residential	2	64.9	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW262	B	Residential	2	66.6	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW263	B	Residential	2	65.8	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW264	B	Residential	2	65	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW265	B	Residential	2	66.7	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW266	B	Residential	2	65.3	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW267	B	Residential	2	64.4	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW268	B	Residential	2	66.5	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW269	B	Residential	2	65.6	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW270	B	Residential	2	64.7	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW271	B	Residential	2	66.3	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW272	B	Residential	2	65.7	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW273	B	Residential	2	64.5	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW274	B	Residential	2	65.9	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW275	B	Residential	2	65	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW276	B	Residential	2	64.2	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW277	B	Residential	2	65.9	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW278	B	Residential	2	65	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW279	B	Residential	2	64.1	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW280	B	Residential	2	65.9	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW281	B	Residential	2	65	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW282	B	Residential	2	64.2	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW283	B	Residential	2	66.1	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW284	B	Residential	2	65.2	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW285	B	Residential	2	64.3	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW286	B	Residential	2	64.4	NO
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW287	B	Residential	2	68.5	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW288	B	Residential	2	67.5	YES
Renaissance and The Cove I & II at Briar Bay	Renaissance	20	RW289	B	Residential	2	66.4	YES
Wendy Ln. to Southern Blvd.	Mahogany Ln.	10	RW318	B	Residential	1	63.5	NO
Wendy Ln. to Southern Blvd.	Sequoia	9	RW319	B	Residential	1	62.9	NO
Wendy Ln. to Southern Blvd.	Sequoia	9	RW320	B	Residential	1	62.6	NO
Wendy Ln. to Southern Blvd.	Sequoia	9	RW321	B	Residential	1	62.7	NO
Wendy Ln. to Southern Blvd.	Sequoia	9	RW322	B	Residential	1	62.9	NO
Wendy Ln. to Southern Blvd.	Sequoia	9	RW323	B	Residential	1	64.3	NO
Wendy Ln. to Southern Blvd.	Sequoia	9	RW324	B	Residential	1	65.5	NO
Wendy Ln. to Southern Blvd.	Sequoia	9	RW325	B	Residential	1	64.9	NO
Wendy Ln. to Southern Blvd.	Sequoia	9	RW326	B	Residential	1	64.7	NO
Wendy Ln. to Southern Blvd.	Sequoia	9	RW327	B	Residential	1	67.8	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW328	B	Residential	1	67.1	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW329	B	Residential	1	66.5	YES
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW330	B	Residential	1	65	NO
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW331	B	Residential	1	64.8	NO
Wendy Ln. to Southern Blvd.	7th Place	8	RW332	B	Residential	2	64.9	NO
Wendy Ln. to Southern Blvd.	Dillman Rd.	7	RW333	B	Residential	1	65.9	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Wendy Ln. to Southern Blvd.	Dillman Rd.	7	RW334	B	Residential	1	65.1	NO
Wendy Ln. to Southern Blvd.	Annunziata Estates	7	RW335	B	Residential	1	64.2	NO
Wendy Ln. to Southern Blvd.	Quiet Waters	8	RW336	B	Residential	1	65.6	NO
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW337	B	Residential	1	65.9	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW338	B	Residential	1	64.5	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW339	B	Residential	1	64.2	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW340	B	Residential	1	62.4	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW341	B	Residential	1	63	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW342	B	Residential	1	61	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW343	B	Residential	1	61	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW344	B	Residential	1	59.3	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW345	B	Residential	1	59.3	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW346	B	Residential	1	63.9	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW347	B	Residential	1	63.1	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW348	B	Residential	1	61.3	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW349	B	Residential	1	59.8	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW350	B	Residential	1	62.5	NO
Wendy Ln. to Southern Blvd.	Banyan Lakes	6	RW351	B	Residential	1	60.3	NO
Wendy Ln. to Southern Blvd.	Annunziata Estates	7	RW420	B	Residential	1	62.3	NO
Wendy Ln. to Southern Blvd.	Annunziata Estates	7	RW421	B	Residential	1	60.5	NO
Wendy Ln. to Southern Blvd.	Annunziata Estates	7	RW422	B	Residential	1	62	NO
Wendy Ln. to Southern Blvd.	Annunziata Estates	7	RW423	B	Residential	1	62.1	NO
Wendy Ln. to Southern Blvd.	Annunziata Estates	7	RW424	B	Residential	1	63.5	NO
Wendy Ln. to Southern Blvd.	Annunziata Estates	7	RW425	B	Residential	1	62.8	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Wendy Ln. to Southern Blvd.	Annunziata Estates	7	RW426	B	Residential	1	63.3	NO
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW427	B	Residential	1	63.7	NO
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW428	B	Residential	1	65.2	NO
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW429	B	Residential	1	65	NO
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW430	B	Residential	1	64.8	NO
Wendy Ln. to Southern Blvd.	Quiet Waters	7	RW431	B	Residential	1	65	NO
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW432	B	Residential	1	62.7	NO
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW433	B	Residential	1	64.7	NO
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW434	B	Residential	2	63.8	NO
Wendy Ln. to Southern Blvd.	Woodslanding	8	RW435	B	Residential	1	62.3	NO
Wendy Ln. to Southern Blvd.	81st Ave.	8	RW436	B	Residential	1	63	NO
Wendy Ln. to Southern Blvd.	81st Ave.	8	RW437	B	Residential	1	62.4	NO
Wendy Ln. to Southern Blvd.	81st Ave.	8	RW438	B	Residential	1	62.5	NO
Wendy Ln. to Southern Blvd.	81st Ave.	8	RW439	B	Residential	1	62.1	NO
Kid Sanctuary	Kid Sanctuary	9	RW440	B	Residential	1	67.8	YES
Wendy Ln. to Southern Blvd.	Sequoia	9	RW441	B	Residential	1	63	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW115A	B	Residential	1	64.7	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW115B	B	Residential	1	67.8	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW115C	B	Residential	1	68.9	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW116B	B	Residential	1	64.1	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW116C	B	Residential	1	65.6	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW117A	B	Residential	1	65.4	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW117B	B	Residential	1	68.5	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW117C	B	Residential	1	69.5	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW118B	B	Residential	1	65.2	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW118C	B	Residential	1	66.7	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW119A	B	Residential	1	66	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW119B	B	Residential	1	69.1	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW119C	B	Residential	1	70.4	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW120B	B	Residential	1	66.4	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW120C	B	Residential	1	67.7	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW121A	B	Residential	1	67.3	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW121B	B	Residential	1	70.3	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW121C	B	Residential	1	71.7	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW122B	B	Residential	1	68.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW122C	B	Residential	1	69.4	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW123A	B	Residential	1	69.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW123B	B	Residential	1	72	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW123C	B	Residential	1	73.1	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW124A	B	Residential	1	69.1	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW124B	B	Residential	1	71.9	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW124C	B	Residential	1	72.9	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW125A	B	Residential	1	69	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW125B	B	Residential	1	71.9	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW125C	B	Residential	1	72.9	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW126A	B	Residential	1	44.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW126B	B	Residential	1	71.9	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW126C	B	Residential	1	73	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW127A	B	Residential	1	68.6	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW127B	B	Residential	1	71.5	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW127C	B	Residential	1	72.5	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW128B	B	Residential	1	64.5	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW128C	B	Residential	1	66.1	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW129B	B	Residential	1	68.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW129C	B	Residential	1	69.4	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW130A	B	Residential	1	62	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW130B	B	Residential	1	64.8	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW130C	B	Residential	1	66.3	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW131A	B	Residential	1	68	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW131B	B	Residential	1	70.8	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW131C	B	Residential	1	71.9	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW132A	B	Residential	1	67.9	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW132B	B	Residential	1	70.7	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW132C	B	Residential	1	71.7	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW133A	B	Residential	1	67.5	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW133B	B	Residential	1	70.4	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW133C	B	Residential	1	71.5	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW134A	B	Residential	1	67.4	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW134B	B	Residential	1	70.3	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW134C	B	Residential	1	71.4	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW135A	B	Residential	1	64.8	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW135B	B	Residential	1	67.8	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW135C	B	Residential	1	69.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW290A	B	Residential	1	63.7	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW290B	B	Residential	1	66.9	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW290C	B	Residential	1	68.3	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW291A	B	Residential	1	63.7	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW291B	B	Residential	1	66.8	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW291C	B	Residential	1	68.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW292A	B	Residential	1	63.7	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW292B	B	Residential	1	66.8	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW292C	B	Residential	1	68.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW293A	B	Residential	1	63.7	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW293B	B	Residential	1	66.8	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW293C	B	Residential	1	68.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW294A	B	Residential	1	64.7	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW294B	B	Residential	1	67.8	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW294C	B	Residential	1	69.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW295A	B	Residential	1	64.8	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW295B	B	Residential	1	67.8	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW295C	B	Residential	1	69.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW296A	B	Residential	1	61.4	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW296B	B	Residential	1	64.4	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW296C	B	Residential	1	65.8	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW297A	B	Residential	1	61.4	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW297B	B	Residential	1	64.3	NO

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW297C	B	Residential	1	65.6	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW298A	B	Residential	1	64.7	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW298B	B	Residential	1	67.6	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW298C	B	Residential	1	68.9	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW299A	B	Residential	1	61.2	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW299B	B	Residential	1	64.1	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW299C	B	Residential	1	65.5	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW300A	B	Residential	1	61	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW300B	B	Residential	1	63.9	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW300C	B	Residential	1	65.3	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW301A	B	Residential	1	60.7	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW301B	B	Residential	1	63.5	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW301C	B	Residential	1	64.9	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW302A	B	Residential	1	60.4	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW302B	B	Residential	1	63.2	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW302C	B	Residential	1	64.6	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW303A	B	Residential	1	61.6	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW303B	B	Residential	1	64.2	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW303C	B	Residential	1	65.8	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW304A	B	Residential	1	60.9	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW304B	B	Residential	1	63.9	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW304C	B	Residential	1	65.2	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW305A	B	Residential	1	60.8	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW305B	B	Residential	1	63.7	NO

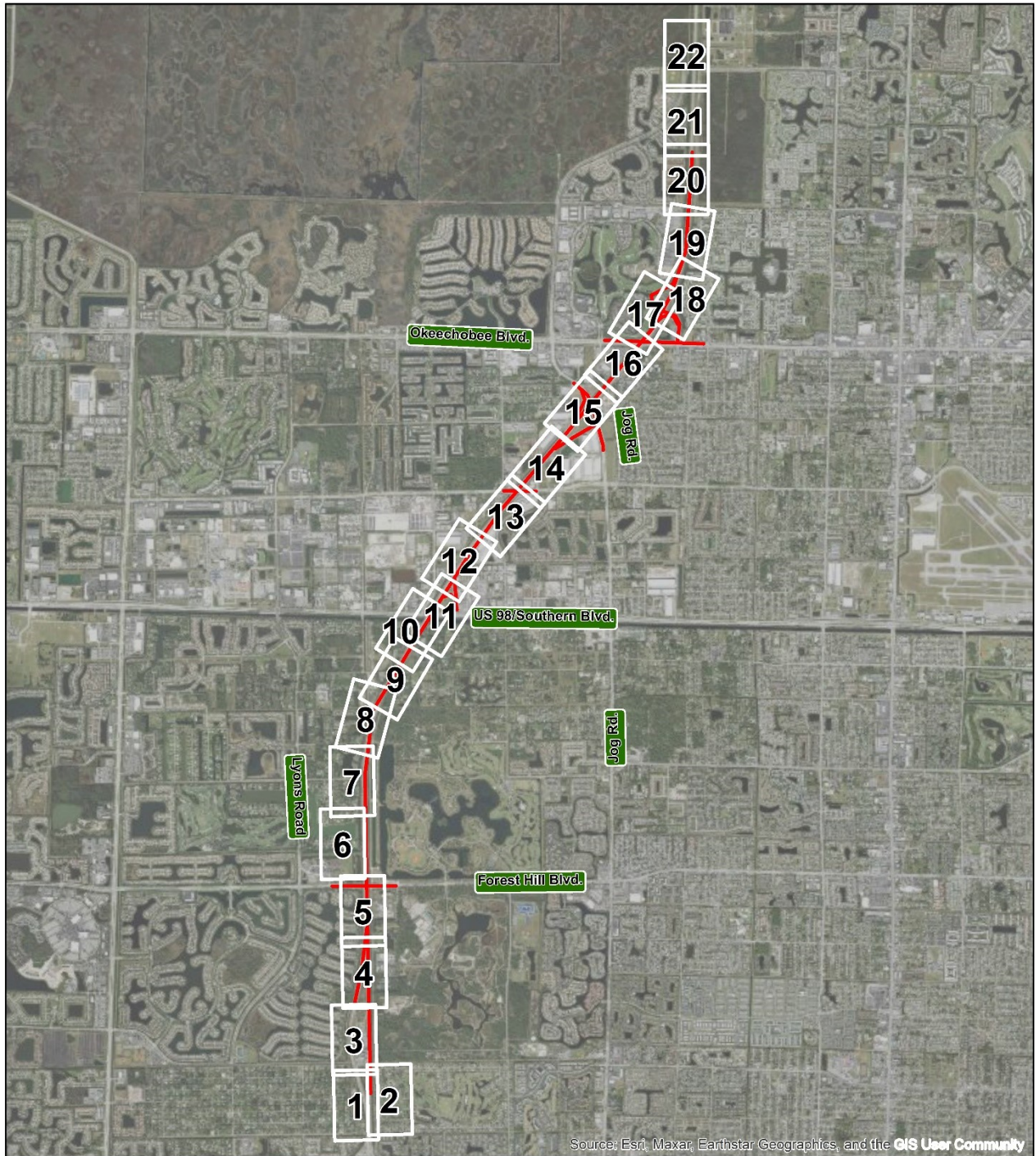
Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW305C	B	Residential	1	65.1	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW306A	B	Residential	1	63	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW306B	B	Residential	1	65.9	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW306C	B	Residential	1	67.3	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW307A	B	Residential	1	61.3	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW307B	B	Residential	1	64.1	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW307C	B	Residential	1	65.6	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW308A	B	Residential	1	61.6	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW308B	B	Residential	1	64.4	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW308C	B	Residential	1	65.8	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW309A	B	Residential	1	62.7	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW309B	B	Residential	1	65.5	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW309C	B	Residential	1	66.7	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW310A	B	Residential	1	62.7	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW310B	B	Residential	1	65.6	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW310C	B	Residential	1	66.7	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW312A	B	Residential	1	62.9	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW312B	B	Residential	1	66.1	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW312C	B	Residential	1	67.1	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW313A	B	Residential	1	63.1	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW313B	B	Residential	1	66.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW313C	B	Residential	1	67.3	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW314A	B	Residential	1	64.4	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW314B	B	Residential	1	67.2	YES

Common Noise Environment	Neighborhood	Aerial Sheet Number	Receptor ID	Activity Category	Property Type	Number of Residents Represented	Predicted 2045 Build Condition dB(A)	NAC Approached or Exceeded?
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW314C	B	Residential	1	68.2	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW315A	B	Residential	1	65	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW315B	B	Residential	1	67.4	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW315C	B	Residential	1	68.3	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW316A	B	Residential	1	65.3	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW316B	B	Residential	1	67.6	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW316C	B	Residential	1	68.5	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW317A	B	Residential	1	65.6	NO
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW317B	B	Residential	1	67.7	YES
Emerald Dunes Condominiums	Emerald Dunes Condominiums	17	RW317C	B	Residential	1	68.6	YES

DRAFT

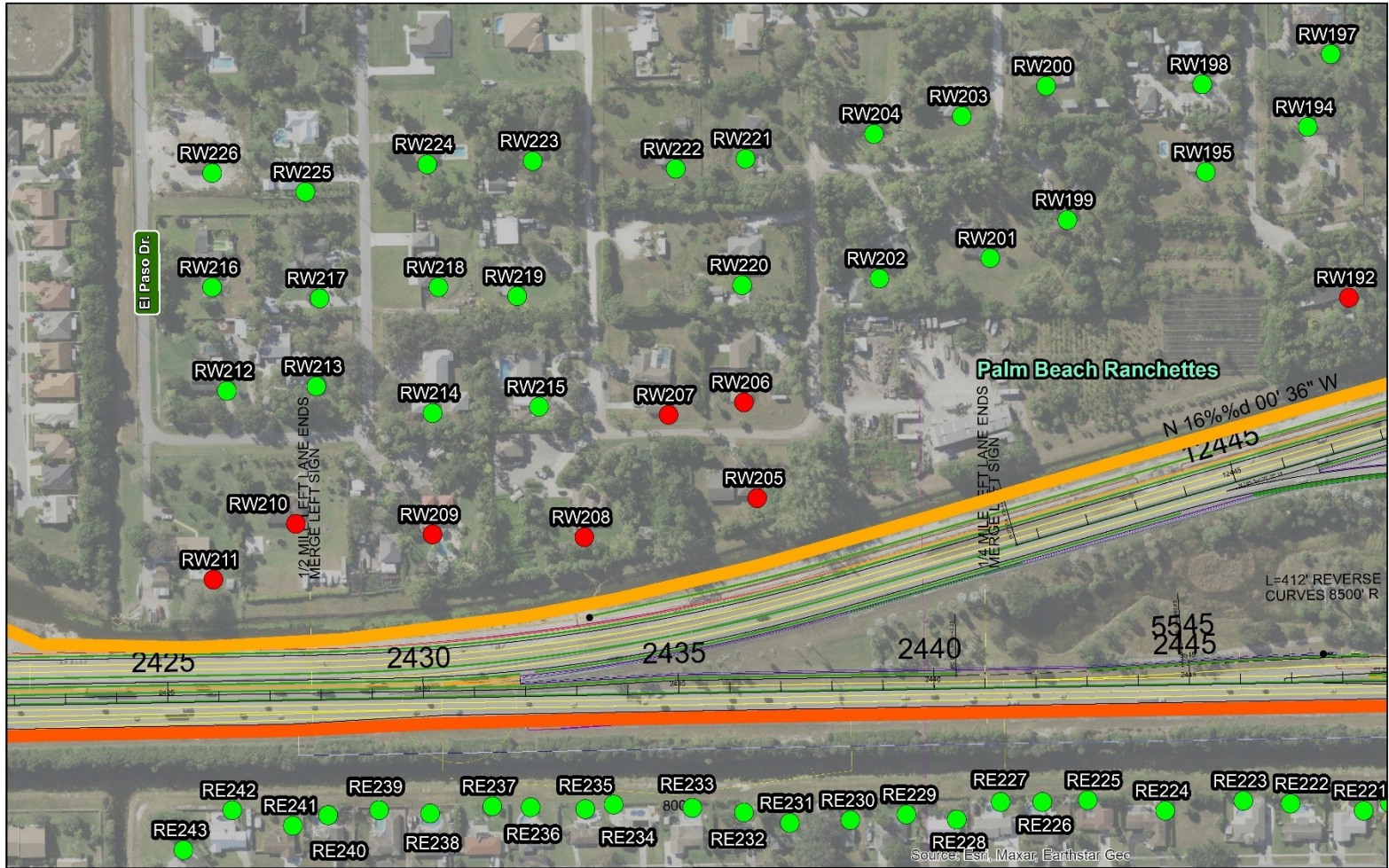
APPENDIX C

AERIALS



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

	<p>Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd, Palm Beach County, Florida Financial Project ID No.: 406143-5 & -8</p> <p align="center">Sheet Key</p>	<p align="center">N</p>  <p align="center">0 1,900 3,800 7,600 Feet</p> <p align="center">Coordinate System: NAD 1983 Florida State Plane East</p>
---	---	---

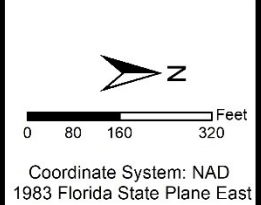


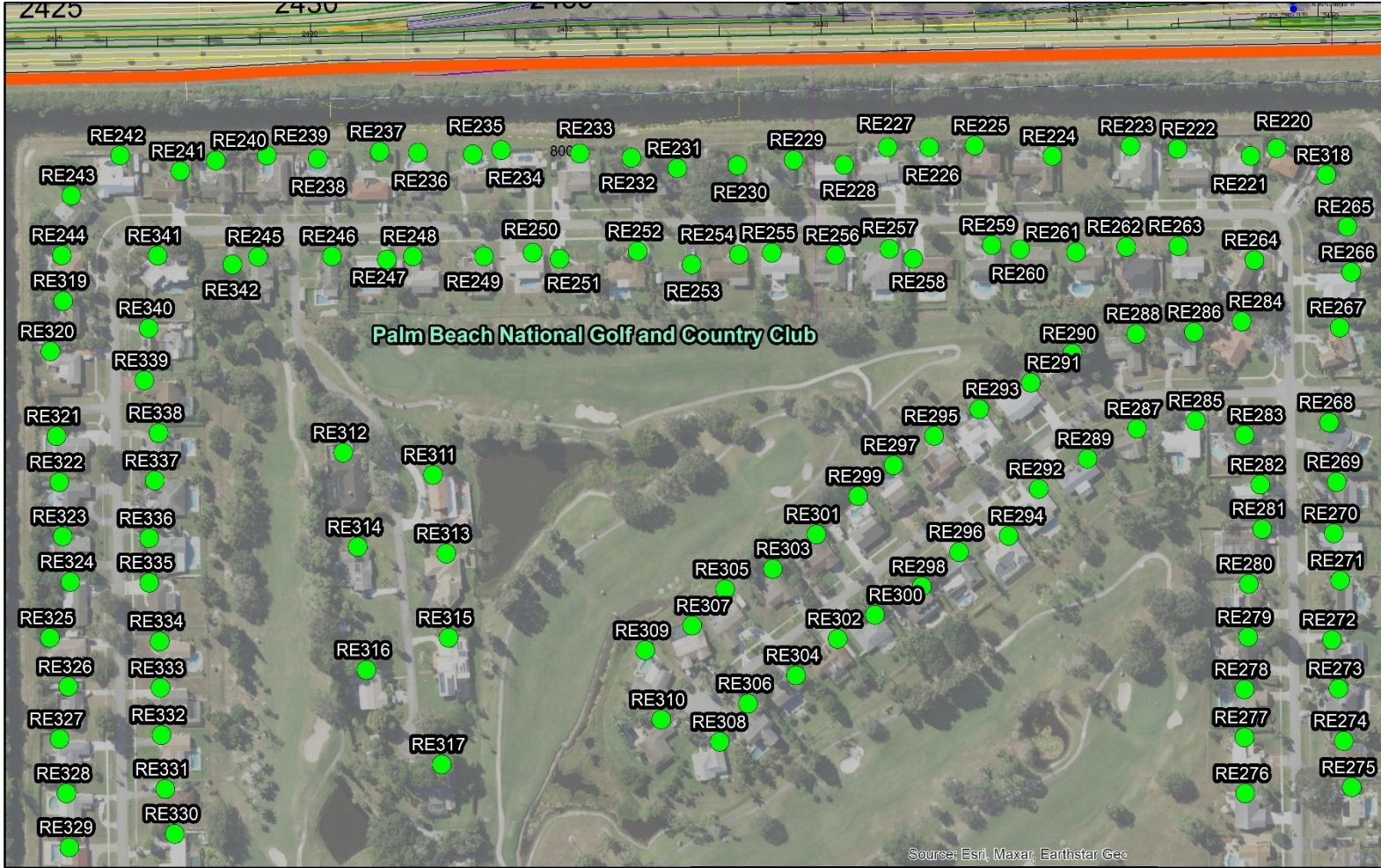
Legend

Noise Sensitive Sites		Noise Barriers	
● Not Impacted	○ Ground floor	Existing Noise Barrier	
● Impacted	○ 2nd Floor	Barrier for 406144-1	
Not Benefited	○ 3rd Floor		
Benefited			

Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 1

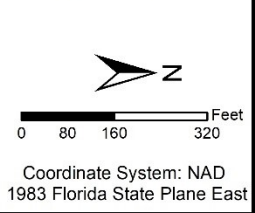


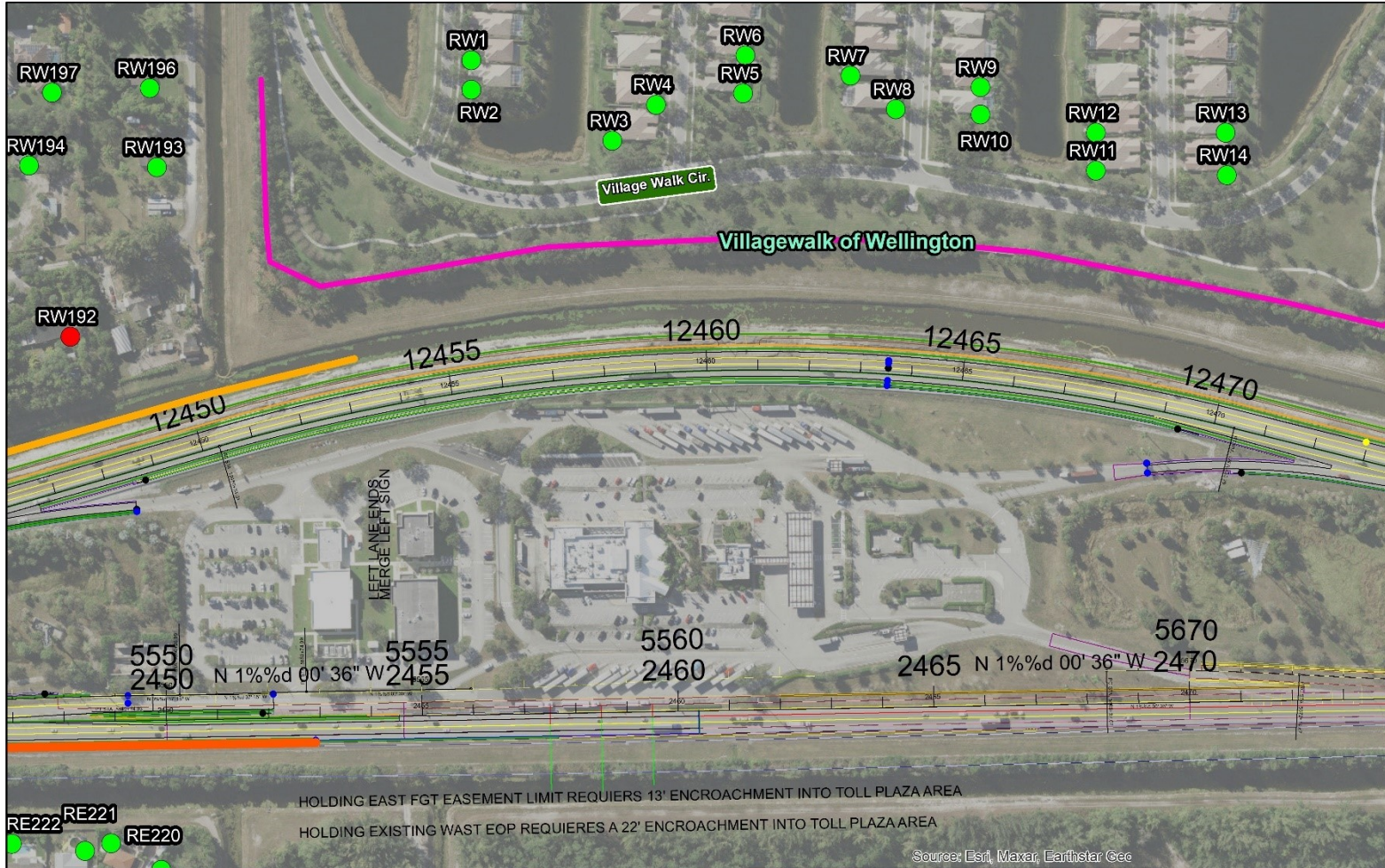


Legend	
Noise Sensitive Sites	Noise Barriers
● Not Impacted	○ Ground floor
● Impacted	○ 2nd Floor
Not Benefited	○ 3rd Floor
Benefited	— Existing Noise Barrier
	— Barrier for 406144-1

Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 2

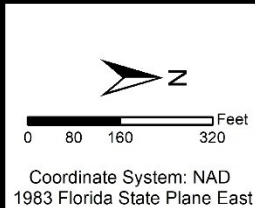


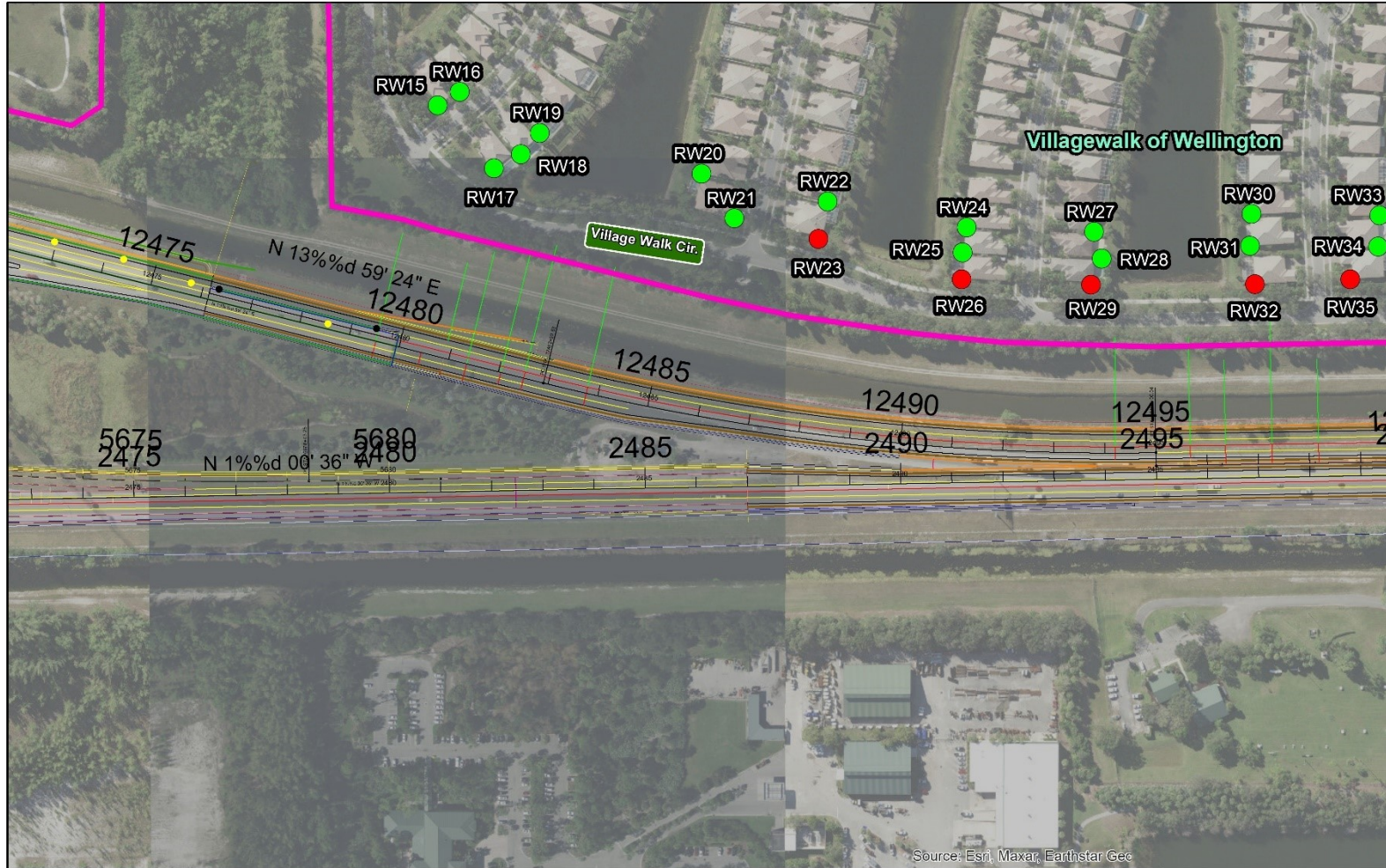


Legend	
Noise Sensitive Sites	Noise Barriers
● Not Impacted	○ Ground floor
● Impacted	○ 2nd Floor
□ Not Benefited	○ 3rd Floor
□ Benefited	— Existing Noise Barrier
	— Barrier for 406144-1
	— Berms and Neighborhood Walls

Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 3





Legend

Noise Sensitive Sites

- Not Impacted
- Impacted
- Ground floor
- 2nd Floor
- 3rd Floor

Not Benefited

Benefited

Berms and Neighborhood Walls

Noise Barriers

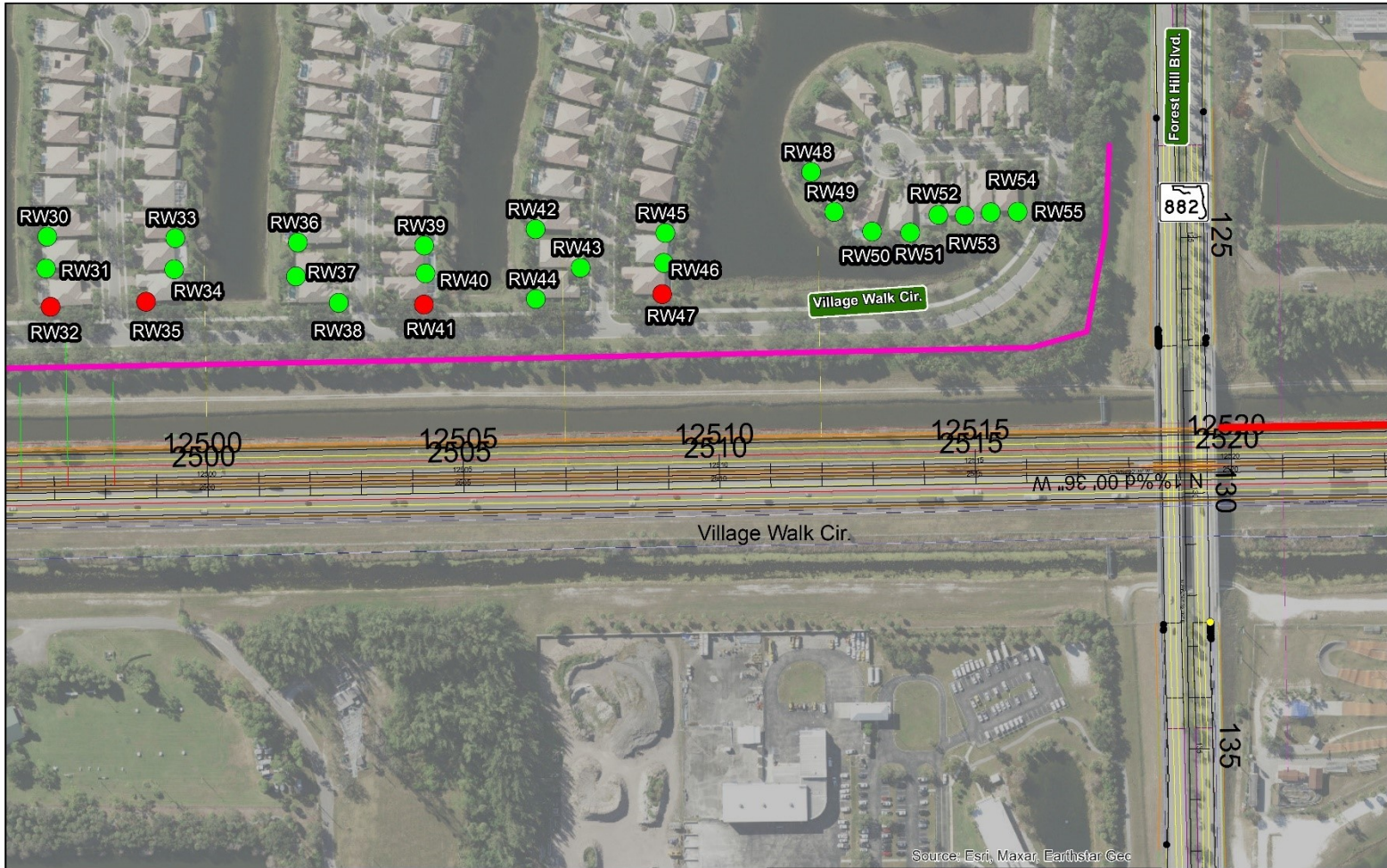
- Existing Noise Barrier
- Barrier for 406144-1

Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 4

0 80 160 320 Feet

Coordinate System: NAD 1983 Florida State Plane East

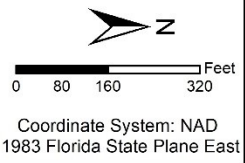


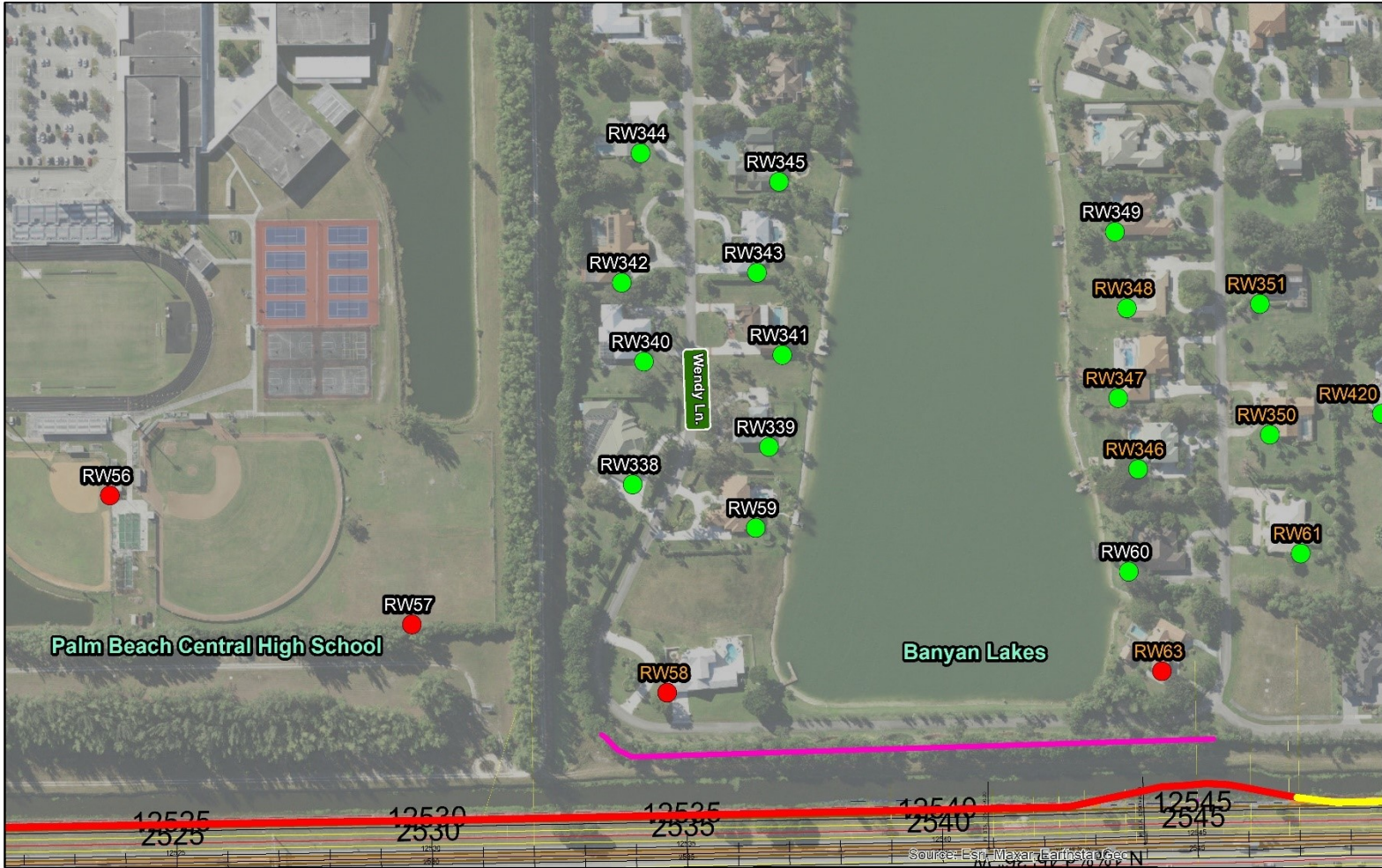
Legend

- Noise Sensitive Sites**
- Not Impacted
 - Impacted
 - Ground floor
 - 2nd Floor
 - 3rd Floor
- Recommended Noise Barrier**
- Berms and Neighborhood Walls
 - 14 ft. Shoulder
- Not Benefited**
- Benefited**

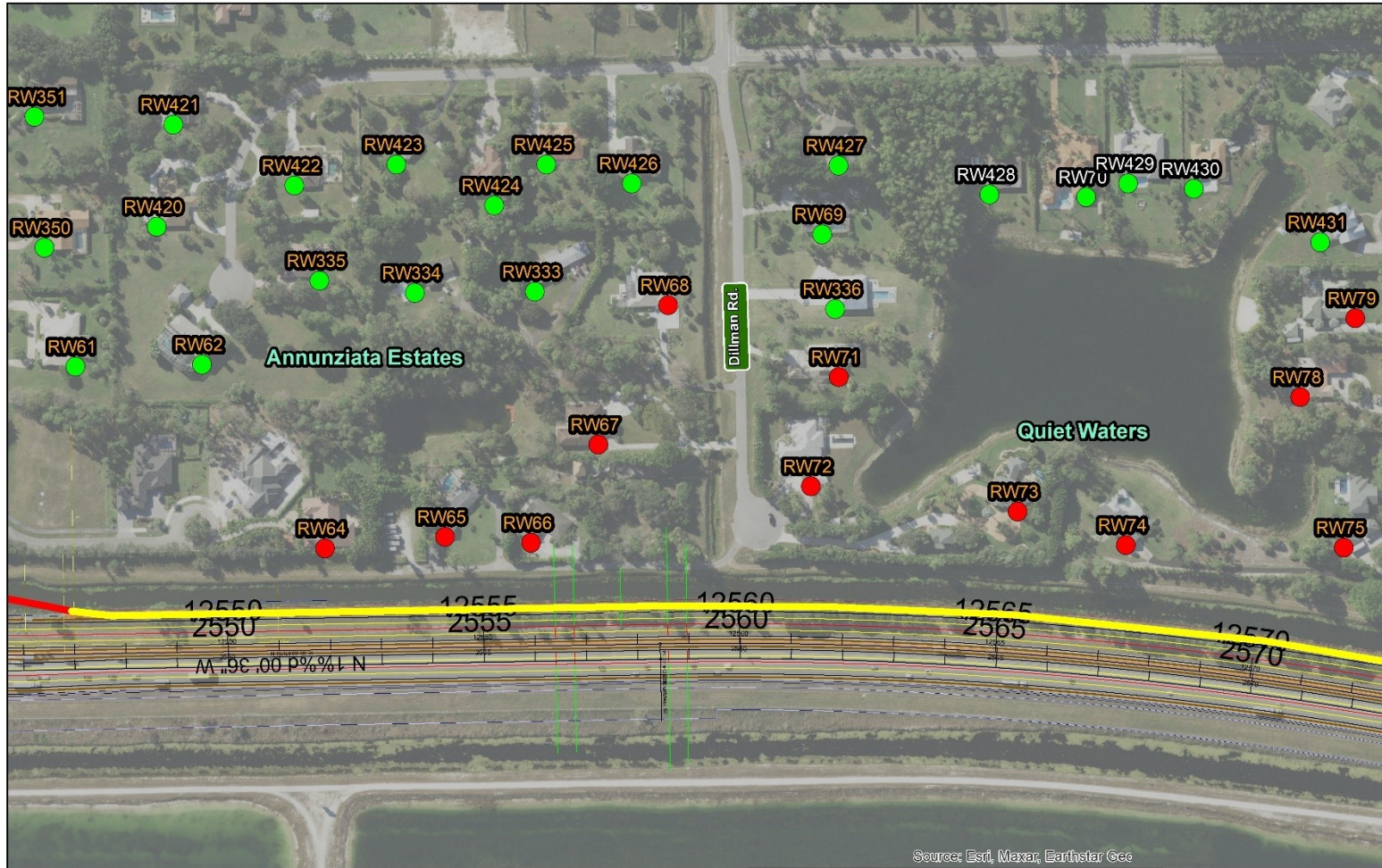
Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 5





	<p>Legend</p> <p>Noise Sensitive Sites</p> <ul style="list-style-type: none"> ● Not Impacted ● Impacted Not Benefited Benefited <p>Recommended Noise Barriers</p> <ul style="list-style-type: none"> — Berms and Neighborhood Walls — 8 ft. Structure Barrier — 14 ft. Shoulder Barrier <p>Not Benefited</p> <ul style="list-style-type: none"> ○ Ground floor ○ 2nd Floor ○ 3rd Floor 	<p>Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd. Palm Beach County, Florida Financial Project ID No.: 406143-5 & -8</p> <p style="text-align: center;">Sheet 6</p>	<p style="text-align: center;">N</p> <p style="text-align: center;">0 80 160 320 Feet</p> <p>Coordinate System: NAD 1983 Florida State Plane East</p>
--	--	--	---



Source: Esri, Maxar, Earthstar Geo

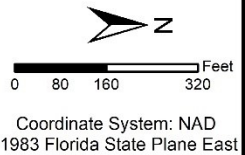


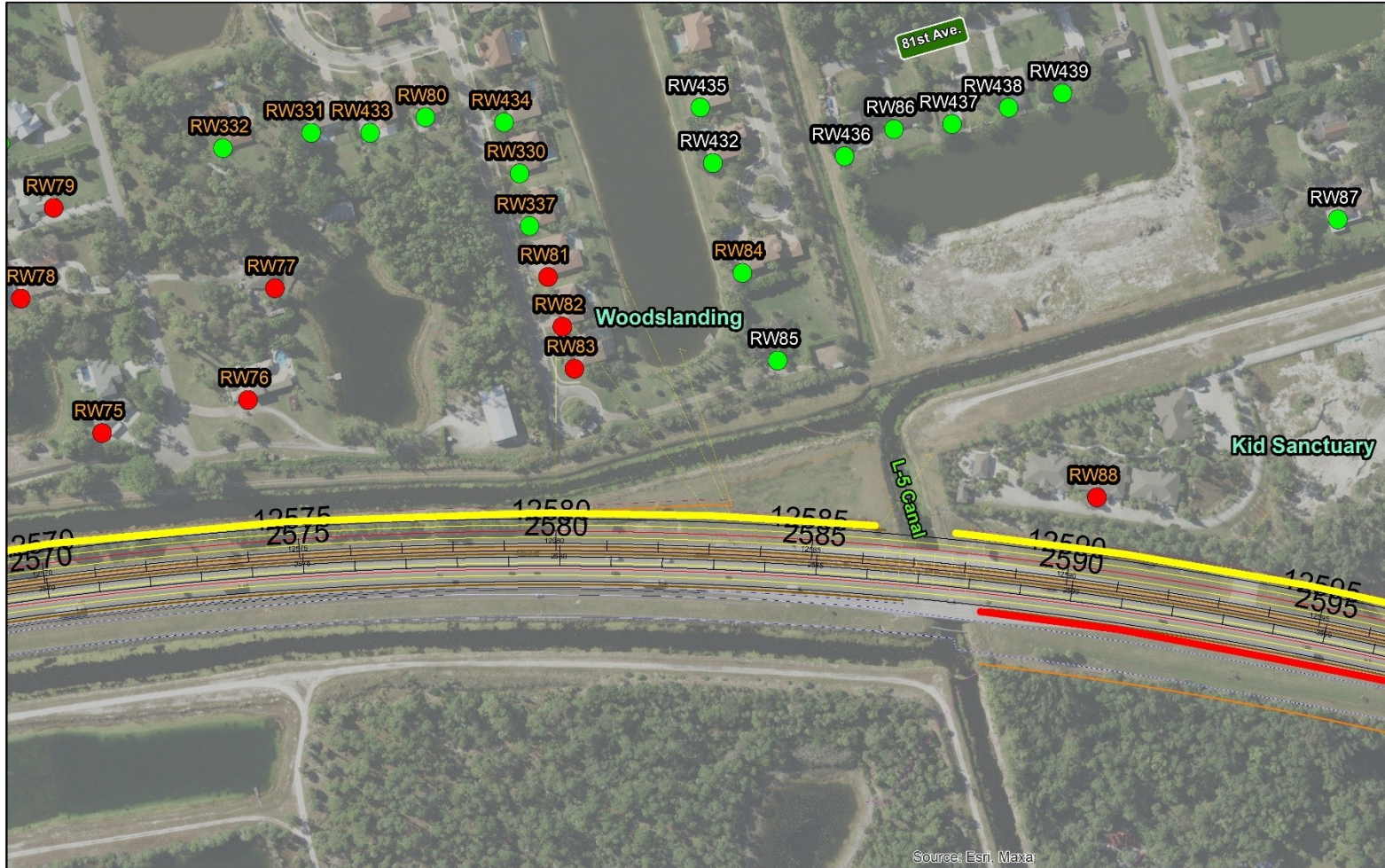
Legend



- | | | | |
|---|--|--|--|
| Noise Sensitive Sites | | Recommended Noise Barriers | |
| ● Not Impacted | ○ Ground floor | 8 ft. Structure Barrier | |
| ● Impacted | ○ 2nd Floor | 14 ft. Shoulder Barrier | |
| Not Benefited | ○ 3rd Floor | | |
| Benefited | | | |

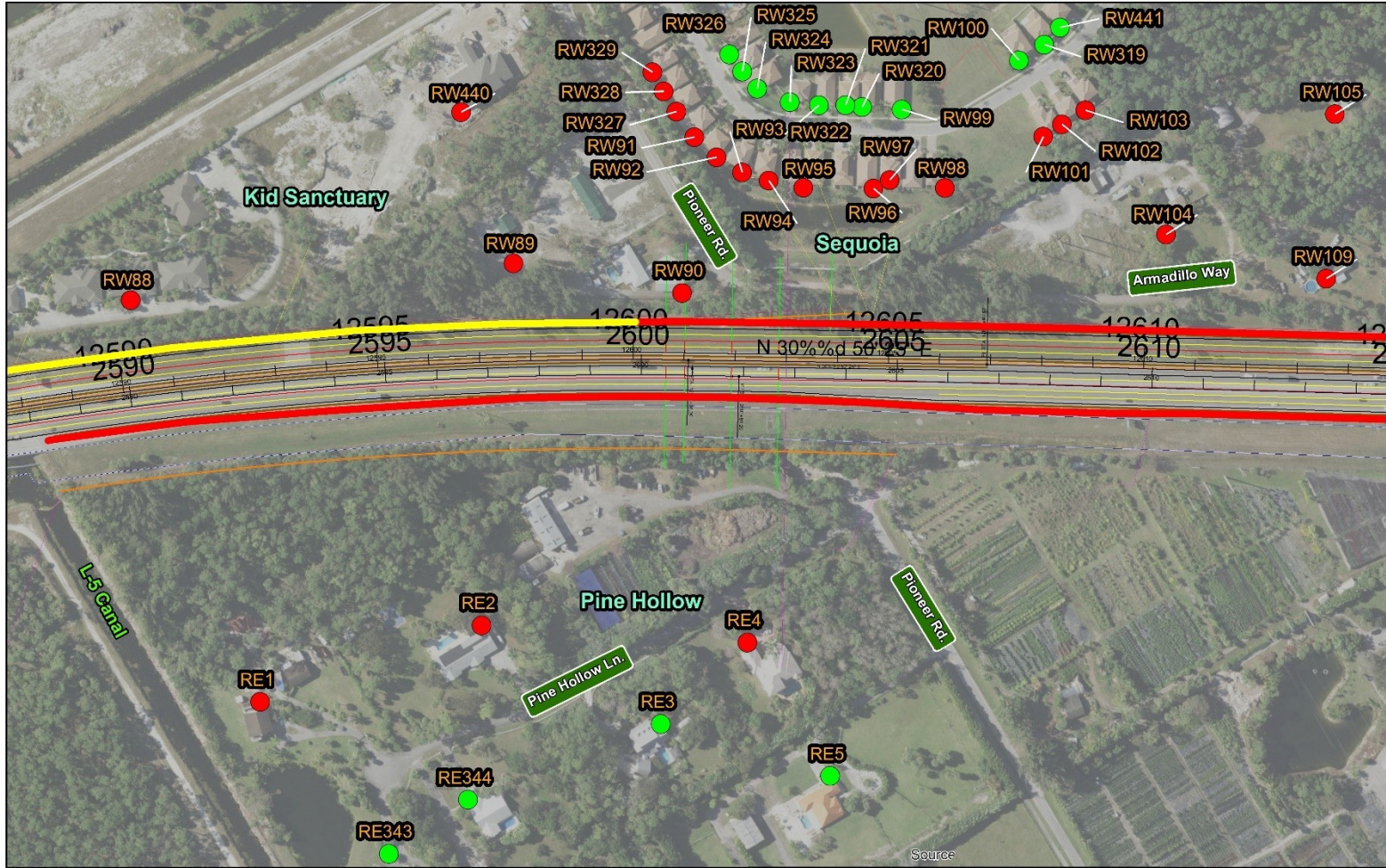
Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 7

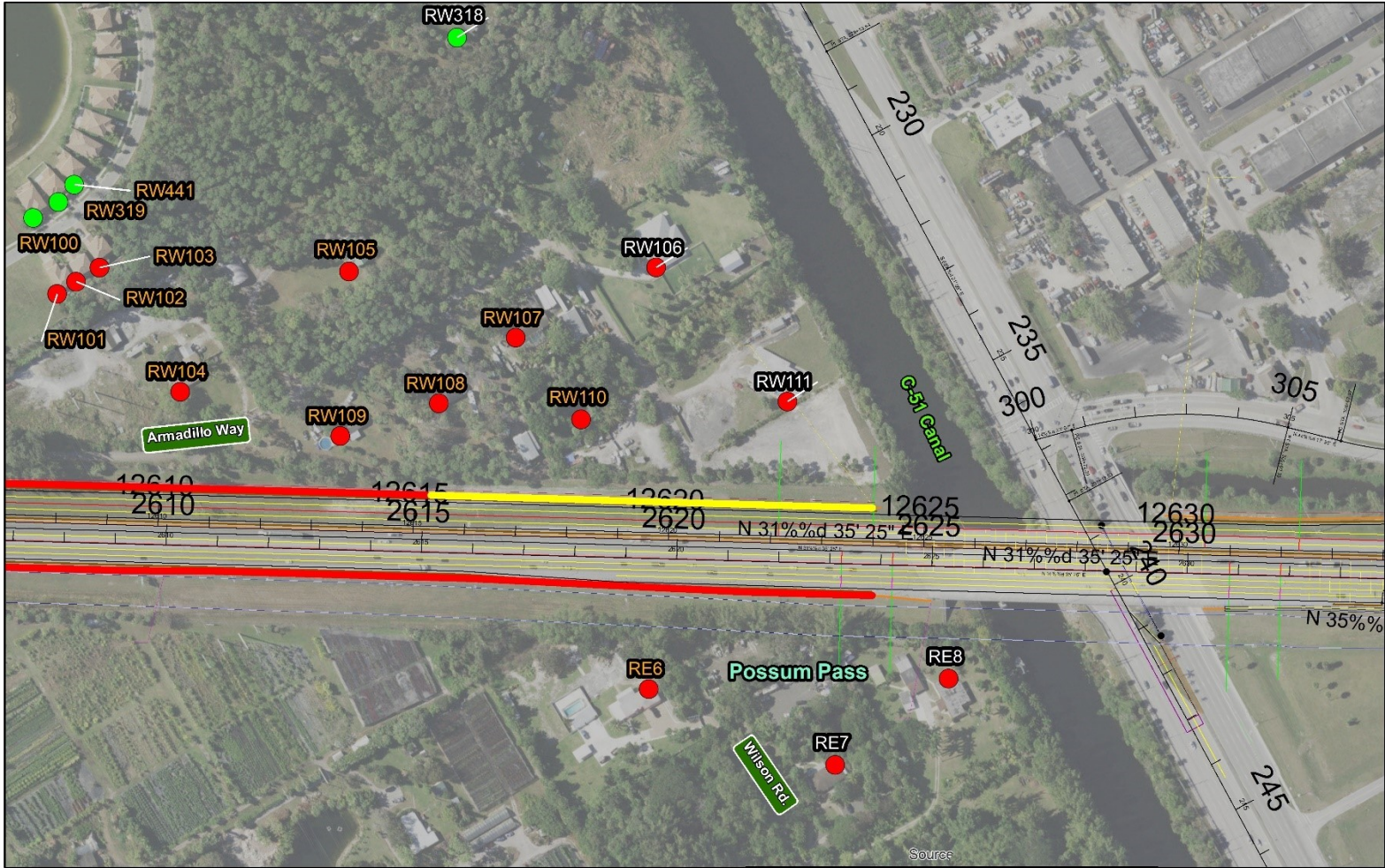




	Legend		<p>Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd. Palm Beach County, Florida Financial Project ID No.: 406143-5 & -8</p> <p align="center">Sheet 8</p>	 <p>Coordinate System: NAD 1983 Florida State Plane East</p>
	<p>Noise Sensitive Sites</p> <ul style="list-style-type: none"> ● Not Impacted ● Impacted Not Benefited Benefited 	<p>Recommended Noise Barriers</p> <ul style="list-style-type: none"> 8 ft. Structure Barrier 14 ft. Shoulder Barrier 		



	<p>Legend</p> <p>Noise Sensitive Sites</p> <ul style="list-style-type: none"> ● Not Impacted ● Impacted ○ Not Benefited ○ Benefited <p>Recommended Noise Barriers</p> <ul style="list-style-type: none"> ○ Ground floor ○ 2nd Floor ○ 3rd Floor — 8 ft. Structure Barrier — 14 ft. Shoulder Barrier 	<p>Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd. Palm Beach County, Florida Financial Project ID No.: 406143-5 & -8</p> <p>Sheet 9</p>	<p>0 80 160 320 Feet</p> <p>Coordinate System: NAD 1983 Florida State Plane East</p>
--	---	--	--

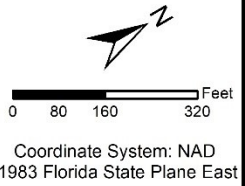


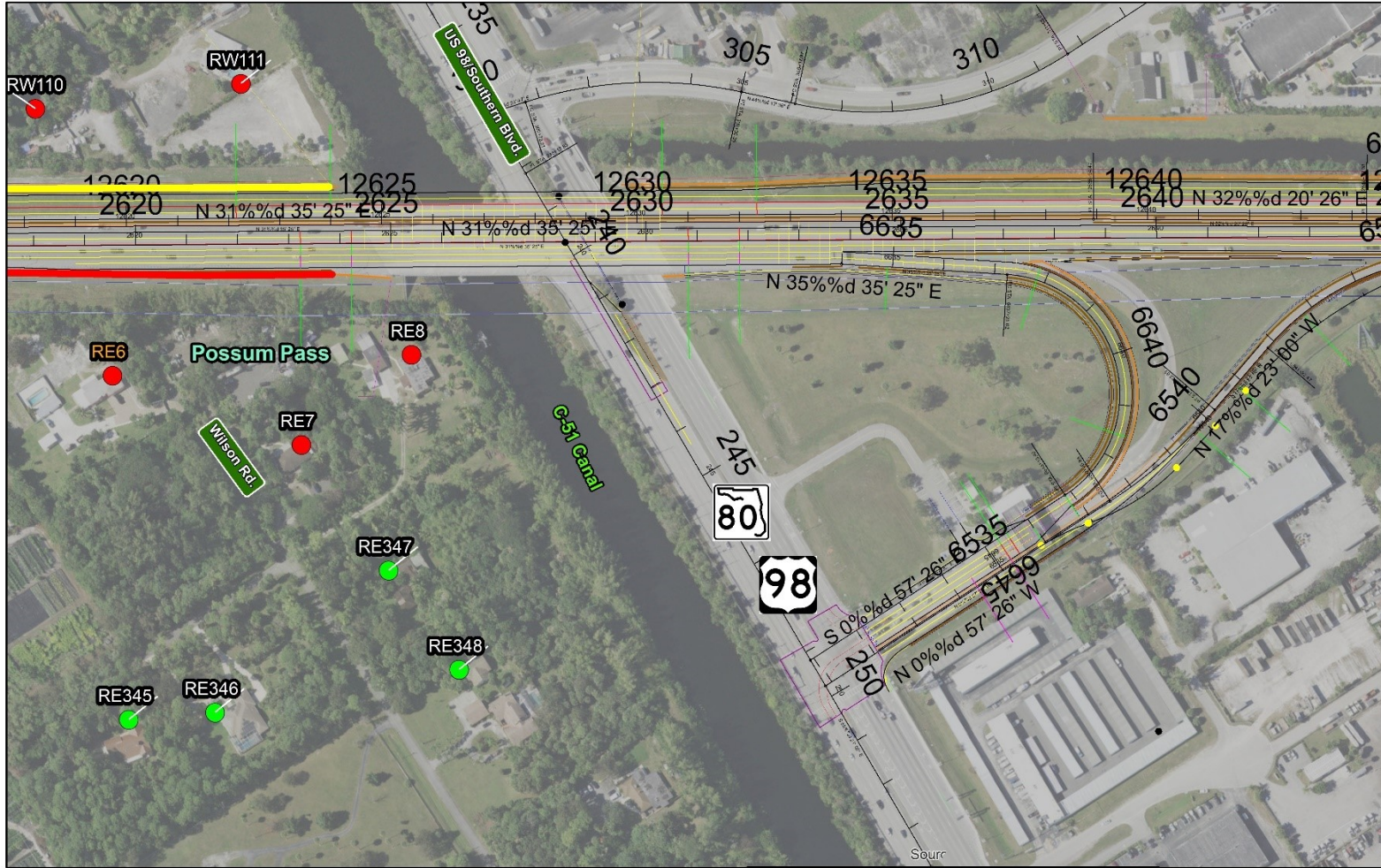
Legend


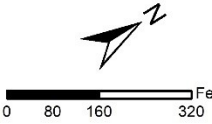
- | | |
|------------------------------|-----------------------------------|
| Noise Sensitive Sites | Recommended Noise Barriers |
| ● Not Impacted | ○ Ground floor |
| ● Impacted | ○ 2nd Floor |
| ■ Not Benefited | ○ 3rd Floor |
| ■ Benefited | ■ 8 ft. Structure Barrier |
| | ■ 14 ft. Shoulder Barrier |

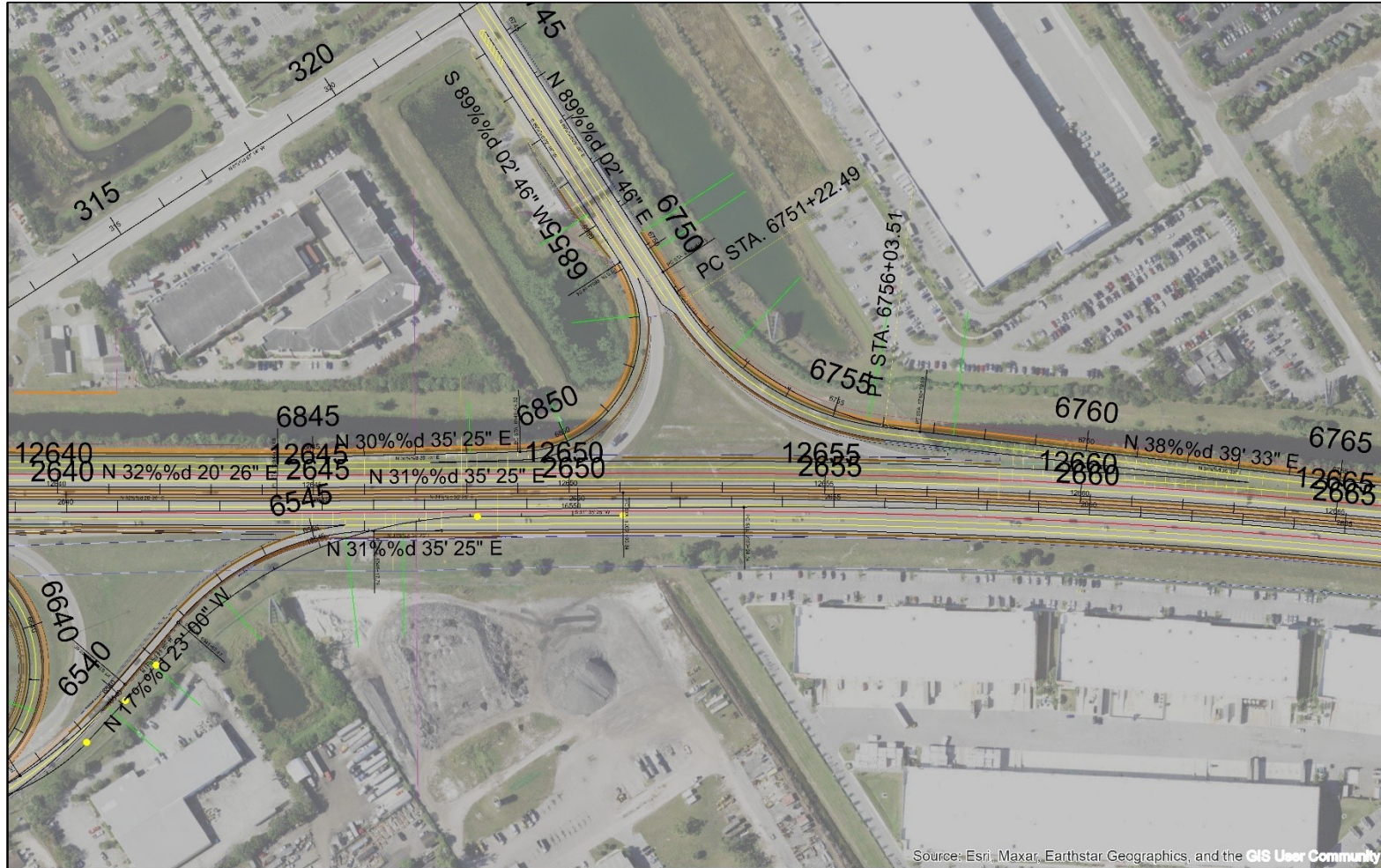
Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 10





	<p>Legend</p> <p>Noise Sensitive Sites</p> <ul style="list-style-type: none"> ● Not Impacted ● Impacted Not Benefited Benefited <p>Recommended Noise Barriers</p> <ul style="list-style-type: none"> ○ Ground floor ○ 2nd Floor ○ 3rd Floor 8 ft. Structure Barrier 14 ft. Shoulder Barrier 	<p>Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd. Palm Beach County, Florida Financial Project ID No.: 406143-5 & -8</p> <p>Sheet 11</p>	 <p>Coordinate System: NAD 1983 Florida State Plane East</p>
---	---	---	---



Legend

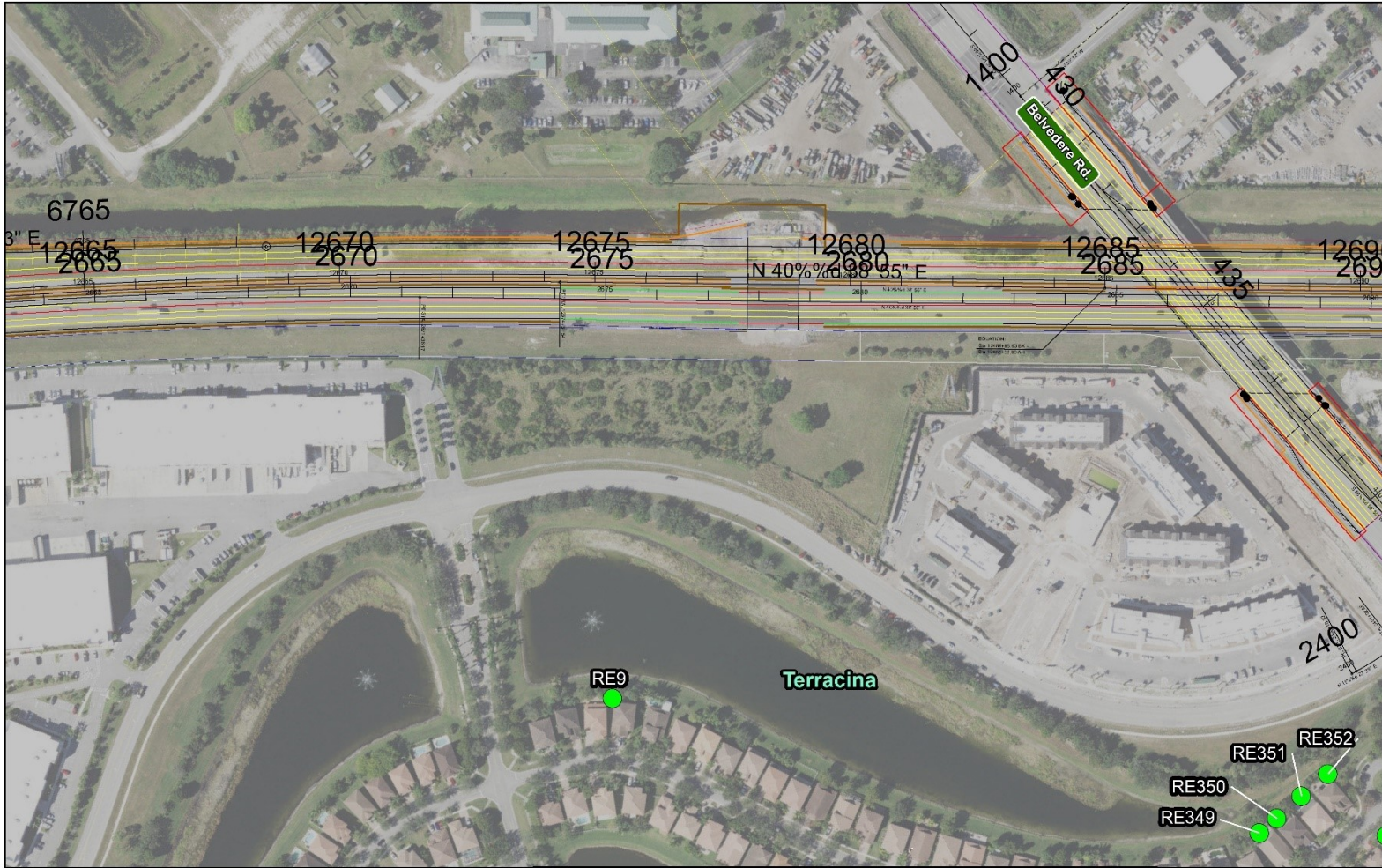
Noise Sensitive Sites

● Not Impacted	 Ground floor
● Impacted	 2nd Floor
 Not Benefited	 3rd Floor
 Benefited	

Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 12

Coordinate System: NAD 1983 Florida State Plane East



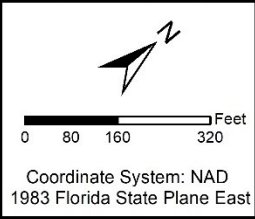
Legend

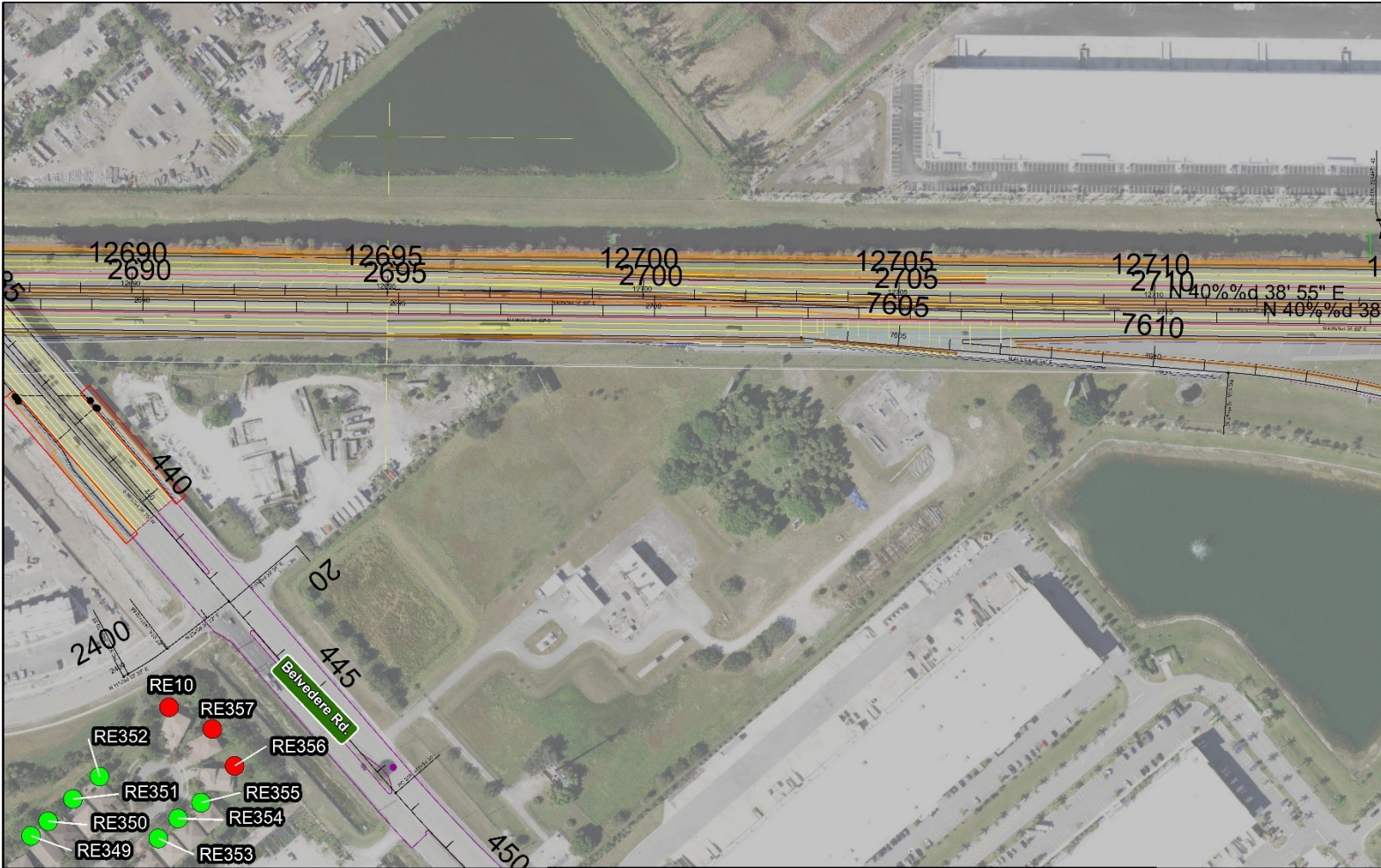
Noise Sensitive Sites

● Not Impacted	○ Ground floor
● Impacted	○ 2nd Floor
Not Benefited	○ 3rd Floor
Benefited	

Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 13





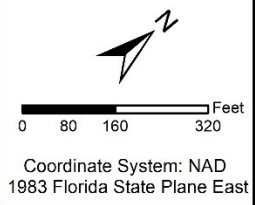
Legend

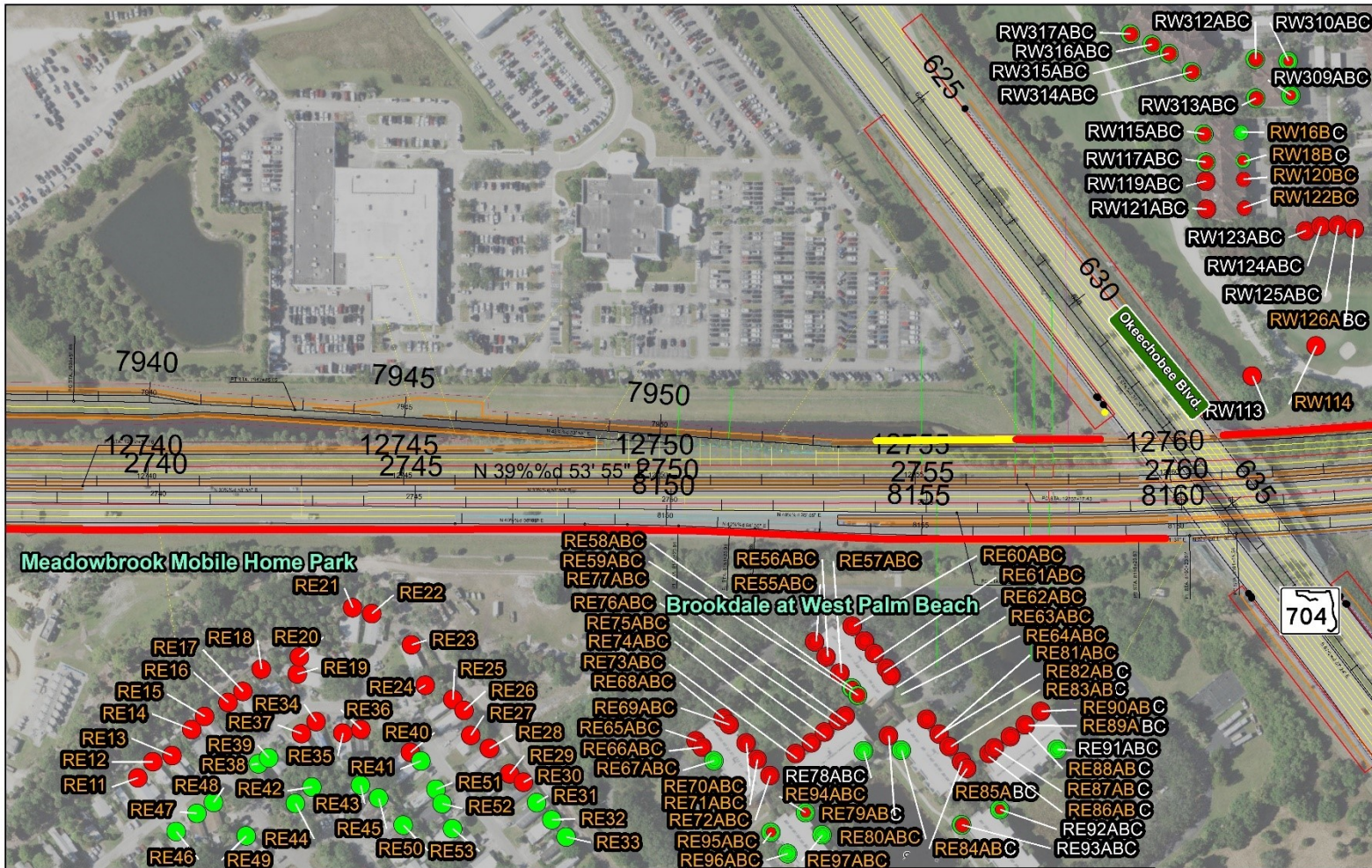
Noise Sensitive Sites

● Not Impacted	○ Ground floor
● Impacted	○ 2nd Floor
Not Benefited	○ 3rd Floor
Benefited	

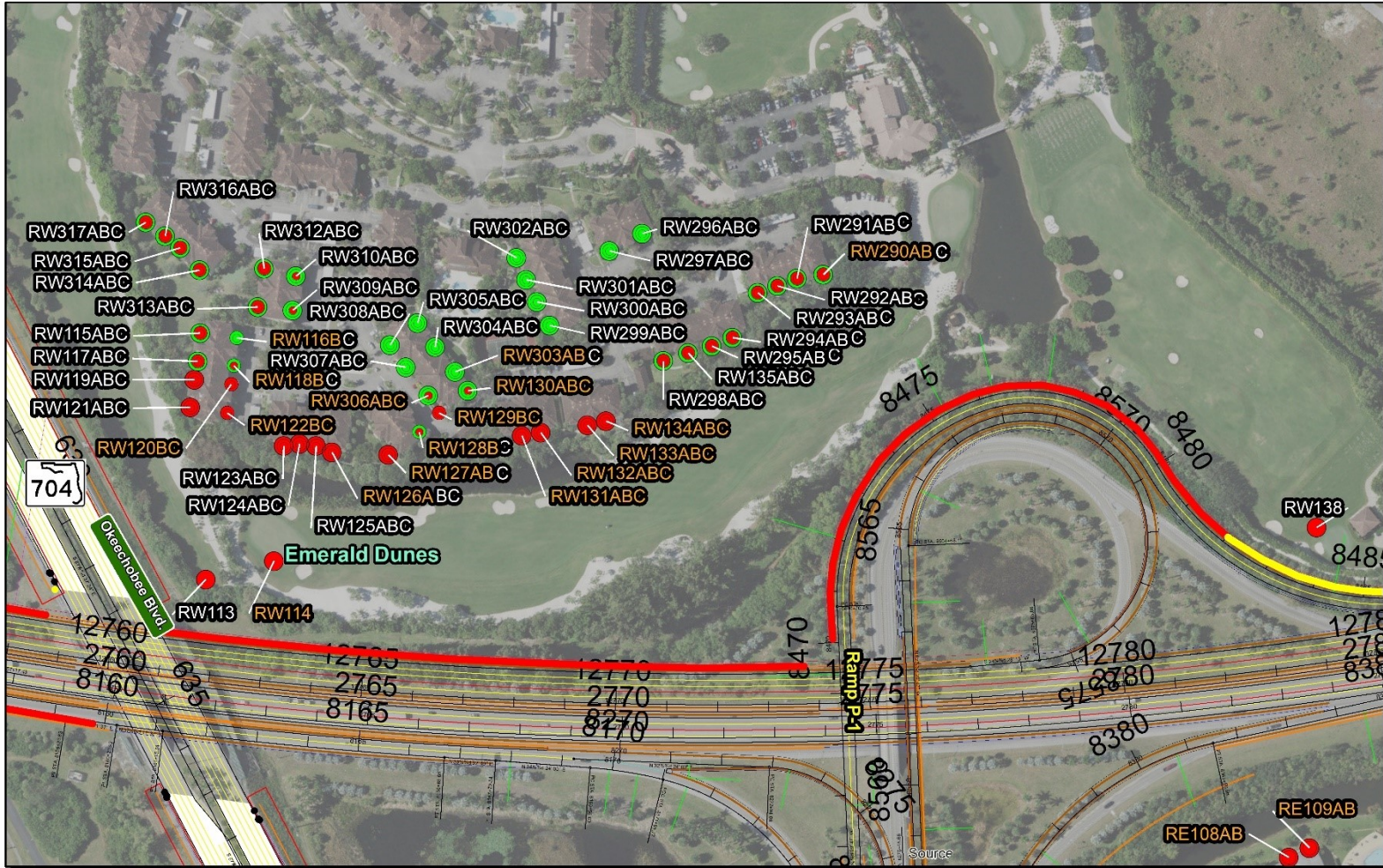
Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 14





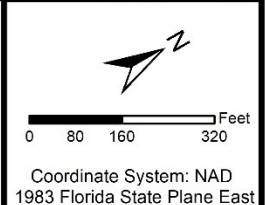
	Legend		<p>Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd. Palm Beach County, Florida Financial Project ID No.: 406143-5 & -8</p> <p align="center">Sheet 16</p>	 Coordinate System: NAD 1983 Florida State Plane East
	<p>Noise Sensitive Sites</p> <ul style="list-style-type: none"> ● Not Impacted ● Impacted Not Benefited Benefited 	<p>Recommended Noise Barrier</p> <ul style="list-style-type: none"> 8 ft. Structure Barrier 14 ft. Shoulder Barrier 		

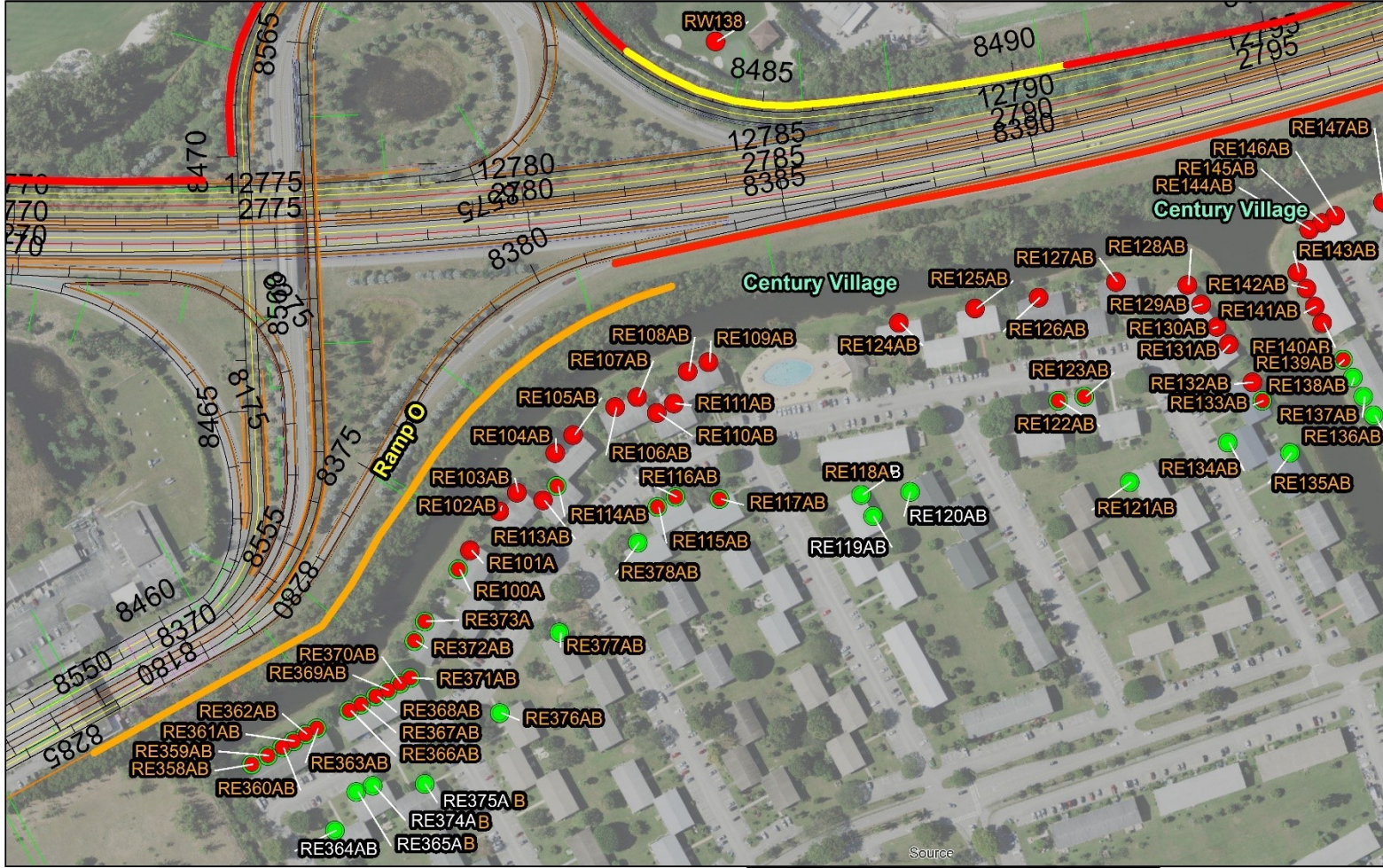


Legend	
● Not Impacted	○ Ground floor
● Impacted	○ 2nd Floor
Not Benefited	○ 3rd Floor
Benefited	
Recommended Noise Barrier	
 8 ft. Structure Barrier	
 14 ft. Shoulder Barrier	

Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 17

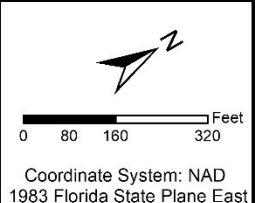




Legend	
Noise Sensitive Sites	Recommended Noise Barrier
● Not Impacted	○ Ground floor
● Impacted	○ 2nd Floor
○ Not Benefited	○ 3rd Floor
○ Benefited	— 22 ft ROW
	— 14 ft. Shoulder
	— 8 ft. Shoulder

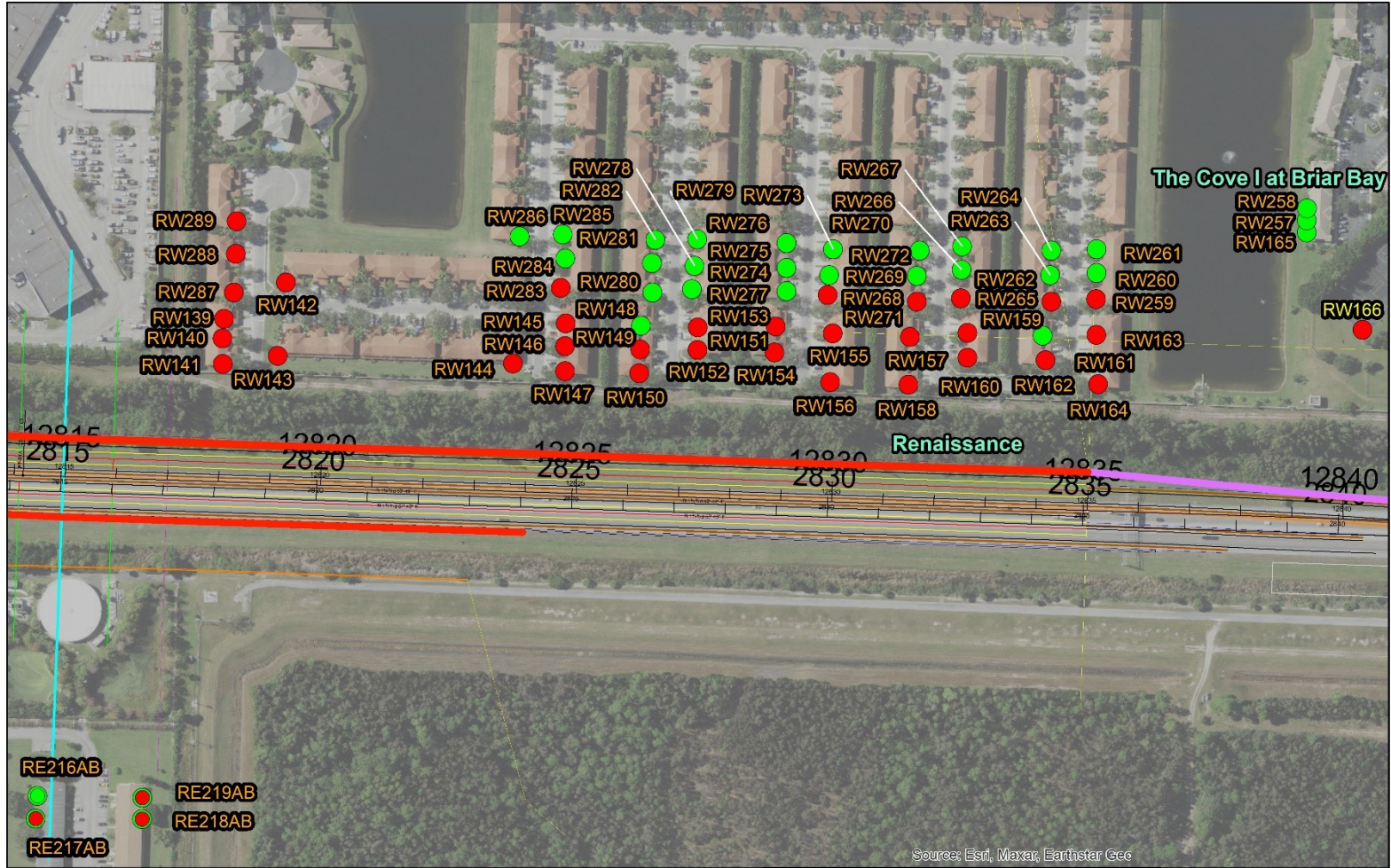
Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 18





	Legend		Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd. Palm Beach County, Florida Financial Project ID No.: 406143-5 & -8 Sheet 19	 Coordinate System: NAD 1983 Florida State Plane East	
	Noise Sensitive Sites				Recommended Noise Barrier
	● Not Impacted	○ Ground floor			— 22 ft ROW
	● Impacted	○ 2nd Floor			— 14 ft Shoulder
○ Not Benefited	○ 3rd Floor	— 8 ft Shoulder			
● Benefited					



Source: Esri, Maxar, Earthstar Geo



Legend

Noise Sensitive Sites

- Not Impacted
- Impacted
- Not Benefited
- Benefited

Recommended Noise Barrier

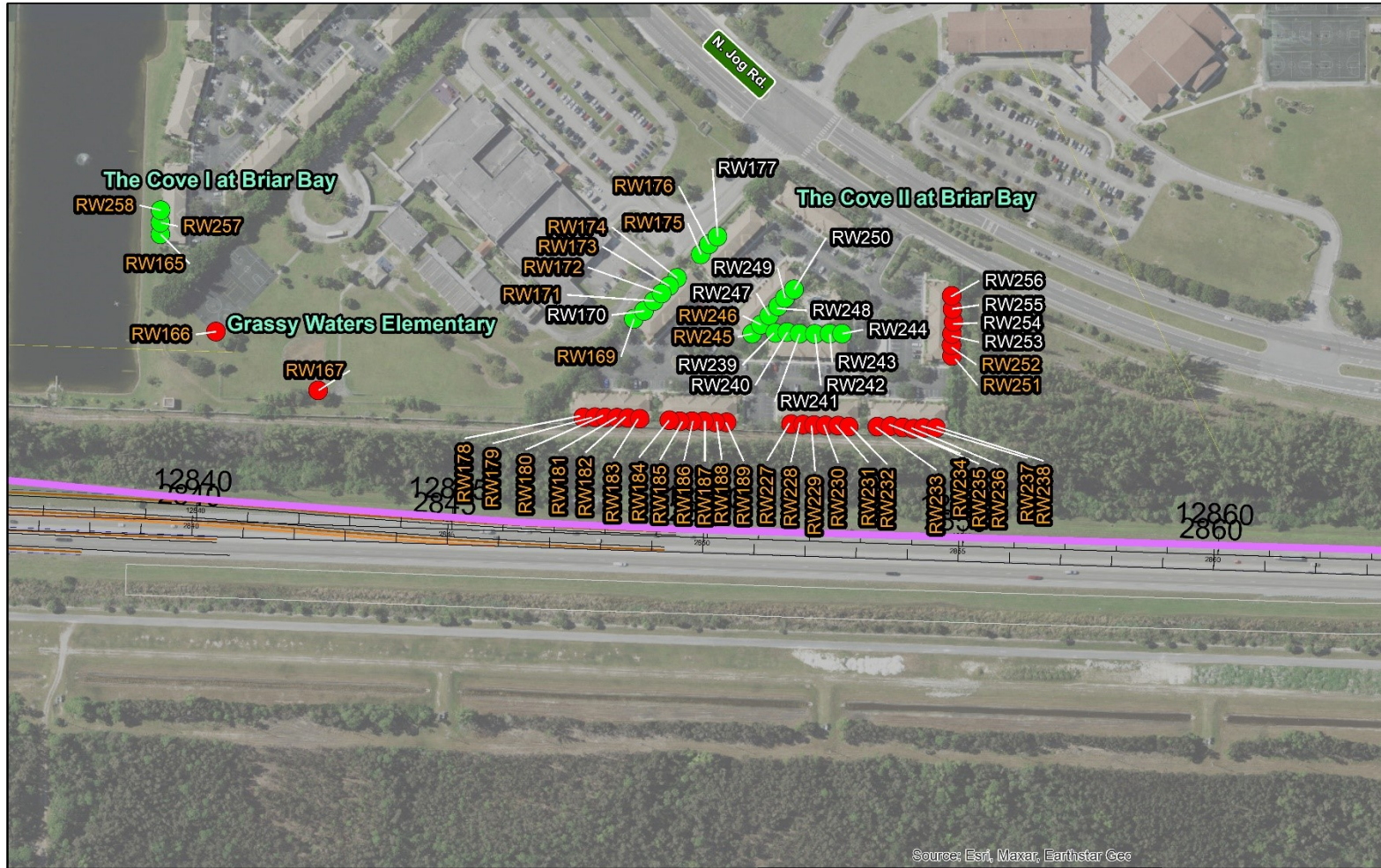
- 14 ft. Shoulder Barrier (406143-8)
- 14 ft. Shoulder Barrier (406143-6)

○ Ground floor
○ 2nd Floor
○ 3rd Floor

Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
Palm Beach County, Florida
Financial Project ID No.: 406143-5 & -8

Sheet 20

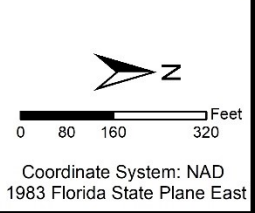
Coordinate System: NAD 1983 Florida State Plane East

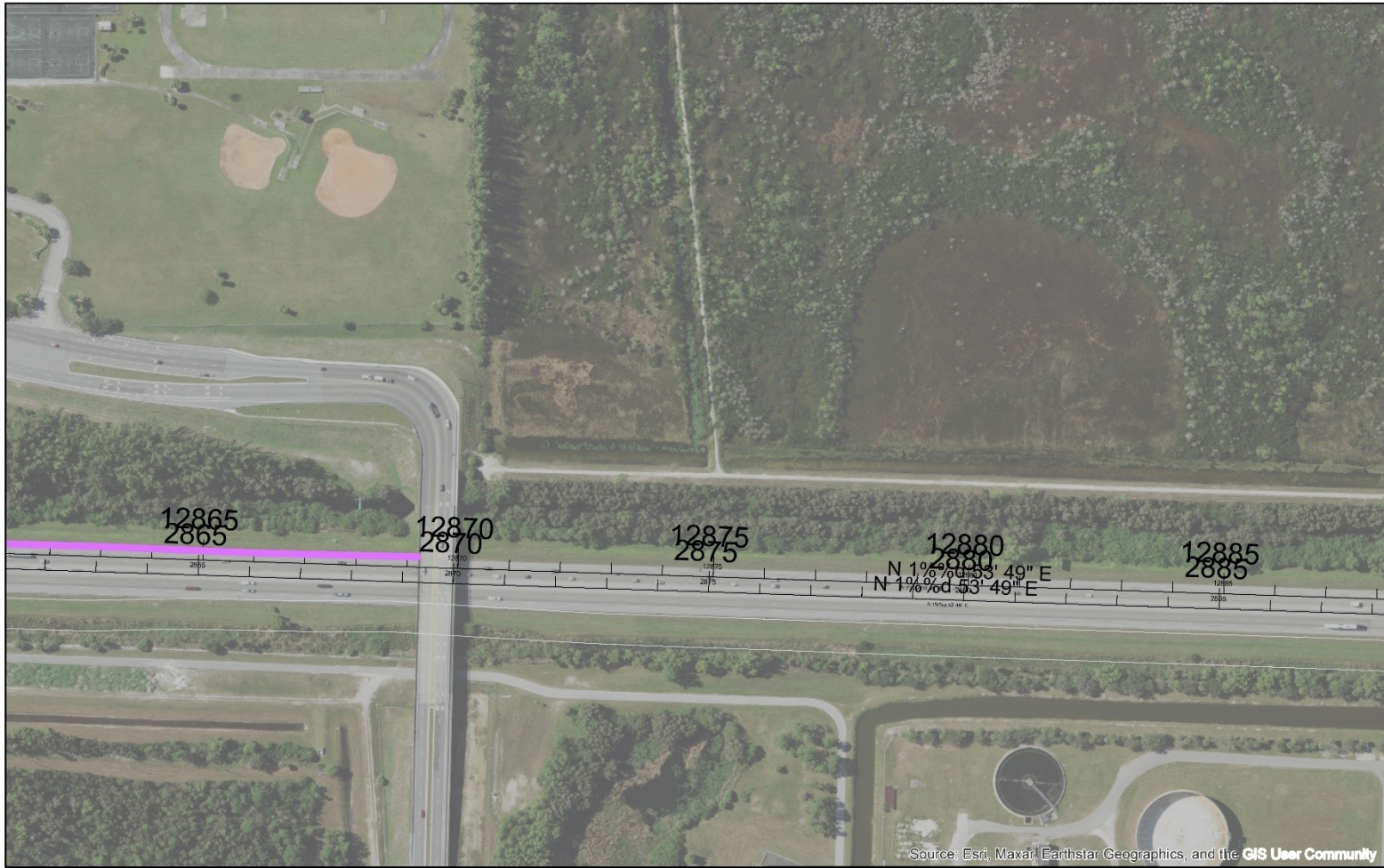


Legend	
Noise Sensitive Sites	Recommended Noise Barrier
● Not Impacted	○ Ground floor
● Impacted	○ 2nd Floor
Not Benefited	○ 3rd Floor
Benefited	
	— 14 ft. Shoulder Barrier (406143-8)
	— 14 ft. Shoulder Barrier (406143-6)

Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 21





Legend

Noise Sensitive Sites

- Not Impacted
- Impacted
- Ground floor
- 2nd Floor
- 3rd Floor

Recommended Noise Barrier

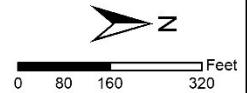
- 14 ft. Shoulder Barrier (406143-8)
- 14 ft. Shoulder Barrier (406143-6)

Not Benefited

Benefited

Widening Florida's Turnpike from West Palm Beach Service Plaza to Okeechobee Blvd.
 Palm Beach County, Florida
 Financial Project ID No.: 406143-5 & -8

Sheet 22



Coordinate System: NAD 1983 Florida State Plane East

DRAFT

APPENDIX D

Noise Barrier Engineering Review

Noise Barrier Engineering Review Form

Widen Florida's Turnpike (SR 91) from the West Palm Beach Service Plaza to Southern Blvd. (MP 94 – 98) 406143-5

&

Widen Florida's Turnpike (SR 91) from Southern Blvd. to Okeechobee Blvd. (MP 98 – 101) 406143-8
Palm Beach County
Florida's Turnpike Enterprise

Noise Barrier #: 1 Pine Hollow and Possum Pass _____

Date Provided: ___ 1/25/23 _____

Date Reviewed: ___ 1/26/23 _____

Reviewed By: ___ John Saunders – Volkert Team _____

Topic	Details
Location	Shoulder
Approx. Stationing Extent	14 ft.: 12588 +10 to 12624 + 00
Length	14 ft.: 3,549 ft.
Height	14 ft.
Estimated Cost (@ \$30/ sq. ft.)	\$1,490,580
Design/Constructability Issues	Avoids construction near/crossing FGT.
Drainage Issues	Maintains ditch system near ROW.
Utility Issues	Avoids FGT Substation within ROW, minimizes impacts to OH Powerline crossing @ Sta 12610+00
Safety Issues	None
Maintenance Issues	None
ROW Acquisition Issues	None
Legal Issues	None
Outdoor Advertising Issues	None
Are any of the above issues severe enough so that a noise barrier cannot be constructed at this location? If so, please explain in detail.	No

Noise Barrier Engineering Review Form

Widen Florida's Turnpike (SR 91) from the West Palm Beach Service Plaza to Southern Blvd. (MP 94 – 98) 406143-5

&

Widen Florida's Turnpike (SR 91) from Southern Blvd. to Okeechobee Blvd. (MP 98 – 101) 406143-8
Palm Beach County
Florida's Turnpike Enterprise

Noise Barrier #: 2 Meadowbrook and Brookdale _____

Date Provided: ___1/23/2023_____

Date Reviewed: ___1/26/2023_____

Reviewed By: _____Volkert Team – John Saunders_____

Topic	Details
Location	Shoulder
Approx. Stationing Extent	STA 12730 + 80 to 12759 + 95
Length	2,954 ft.
Height	14 ft.
Estimated Cost (@ \$30/ sq. ft.)	\$1,240,680
Design/Constructability Issues	Avoids FGT crossover for construction.
Drainage Issues	None
Utility Issues	None
Safety Issues	None
Maintenance Issues	None
ROW Acquisition Issues	None
Legal Issues	None
Outdoor Advertising Issues	None
Are any of the above issues severe enough so that a noise barrier cannot be constructed at this location? If so, please explain in detail.	No

Noise Barrier Engineering Review Form

Widen Florida's Turnpike (SR 91) from the West Palm Beach Service Plaza to Southern Blvd. (MP 94 – 98) 406143-5

&

Widen Florida's Turnpike (SR 91) from Southern Blvd. to Okeechobee Blvd. (MP 98 – 101) 406143-8
Palm Beach County

Florida's Turnpike Enterprise

Noise Barrier #: 3 Century Village _____

Date Provided: ___1/23/2023_____

Date Reviewed: ___1/26/2023_____

Reviewed By: ___Volkert – John Saunders_____

Topic	Details
Location	ROW & Shoulder
Approx. Stationing Extent	14 ft. Shoulder: 12781 + 74 to 12824 + 10 22 ft. ROW: 8285 + 00 to 12782 + 57
Length	14 ft.: 4,267 ft. 22 ft.: 1,494 ft.
Height	14 ft. & 22 ft.
Estimated Cost (@ \$30/ sq. ft.)	\$2,778,180
Design/Constructability Issues	ROW location on Ramp O with gap to Mainline location will reduce impacts to FGT construction crossing.
Drainage Issues	ROW Ramp O location may limit ditch size.
Utility Issues	Gap avoids FGT Specified Width.
Safety Issues	A Ramp O noise wall on the shoulder would limit SSD to less than desirable. Therefore, on the ROW.
Maintenance Issues	None
ROW Acquisition Issues	None
Legal Issues	None
Outdoor Advertising Issues	None
Are any of the above issues severe enough so that a noise barrier cannot be constructed at this location? If so, please explain in detail.	No

Noise Barrier Engineering Review Form

Widen Florida's Turnpike (SR 91) from the West Palm Beach Service Plaza to Southern Blvd. (MP 94 – 98) 406143-5 |

&

Widen Florida's Turnpike (SR 91) from Southern Blvd. to Okeechobee Blvd. (MP 98 – 101) 406143-8
Palm Beach County

Florida's Turnpike Enterprise

Noise Barrier # 4 Palm Beach Central High School _____

Date Provided: ___12/16/2022_____

Date Reviewed: ___1/6/2023 & 1/26/2023_____

Reviewed By: ___Volkert Team & John Saunders_____

Topic	Details
Location	Shoulder
Approx. Stationing Extent	2519 + 50 to 2527 + 80
Length	798 ft. *Note: this noise barrier directly connects with Barrier #11 for Wendy Lane immediately to the north.
Height	14 ft.
Estimated Cost (@ \$30/ sq. ft.)	\$335,160
Design/Constructability Issues	Do not see any issues with this location at this time.
Drainage Issues	Avoids LWDD Canal
Utility Issues	None
Safety Issues	None
Maintenance Issues	None
ROW Acquisition Issues	None
Legal Issues	None
Outdoor Advertising Issues	None
Are any of the above issues severe enough so that a noise barrier cannot be constructed at this location? If so, please explain in detail.	No

Noise Barrier Engineering Review Form

Widen Florida's Turnpike (SR 91) from the West Palm Beach Service Plaza to Southern Blvd. (MP 94 – 98) 406143-5

&

Widen Florida's Turnpike (SR 91) from Southern Blvd. to Okeechobee Blvd. (MP 98 – 101) 406143-8
Palm Beach County

Florida's Turnpike Enterprise

Noise Barrier # 5 Wendy Lane to Southern Blvd. (14 ft. Toll Barrier)_____

Date Provided: ___1/26/23_____

Date Reviewed: ___1/26/2023_____

Reviewed By: _____Volkert – John Saunders_____

Topic	Details
Location	Shoulder
Approx. Stationing Extent	8 ft.: STA 12546 + 95 to 12586 + 00; 12588 + 20 to 12600 + 00; 12615 + 00 to 12624 +00; 14 ft.: STA 12527 + 50 to 12546 + 95; 12600 +00 to 12615 + 00
Length	8 ft.: 3,949 ft. 14 ft.: 5,549 ft.
Height	8 ft. 14 ft.
Estimated Cost (@ \$30/ sq. ft.)	\$3,278,340
Design/Constructability Issues	None. Issues (bridge loading and wall locations) have been resolved through the review process.
Drainage Issues	None.
Utility Issues	None.
Safety Issues	None.
Maintenance Issues	None. Access locations have been considered.
ROW Acquisition Issues	None.
Legal Issues	None.
Outdoor Advertising Issues	None.
Are any of the above issues severe enough so that a noise barrier cannot be constructed at this location? If so, please explain in detail.	No.

Noise Barrier Engineering Review Form

Widen Florida's Turnpike (SR 91) from the West Palm Beach Service Plaza to Southern Blvd. (MP 94 – 98) 406143-5

&

Widen Florida's Turnpike (SR 91) from Southern Blvd. to Okeechobee Blvd. (MP 98 – 101) 406143-8
Palm Beach County

Florida's Turnpike Enterprise

Noise Barrier # 6 Emerald Dunes _____

Date Provided: ___1/25/2023_____

Date Reviewed: ___1/26/2023_____

Reviewed By: ___Volkert Team & John Saunders_____



Topic	Details
Location	Shoulder and Structure
Approx. Stationing Extent	8 ft: STA 12754 + 10 to 12757 + 17; 8482 + 00 to 8491 + 06 14 ft.: STA 12757 + 17 to 12758 + 71; 12761+42 to 12774+05; 8470 + 06 to 8482 + 00; 8491 + 00 to 12800 + 00
Length	8 ft.: 1,165 ft. 14 ft.: 3,524 ft.
Height	8 ft. & 14 ft.
Estimated Cost (@ \$30/ sq. ft.)	\$1,759,680
Design/Constructability Issues	Walls are not located under bridges for construction.
Drainage Issues	None
Utility Issues	None
Safety Issues	None – SSD was checked and eliminated wall in median of P Ramps.
Maintenance Issues	None
ROW Acquisition Issues	None
Legal Issues	None – Emerald Dunes may have input for aesthetics on back side of walls.
Outdoor Advertising Issues	None
Are any of the above issues severe enough so that a noise barrier cannot be constructed at this location? If so, please explain in detail.	No

Noise Barrier Engineering Review Form

Widen Florida's Turnpike (SR 91) from the West Palm Beach Service Plaza to Southern Blvd. (MP 94 – 98) 406143-5

&

Widen Florida's Turnpike (SR 91) from Southern Blvd. to Okeechobee Blvd. (MP 98 – 101) 406143-8
Palm Beach County

Florida's Turnpike Enterprise

Noise Barrier # 7 – Renaissance and the Cove I & II at Briar Bay _____

Date Provided: ___ 1/23/2023 _____

Date Reviewed: ___ 1/26/2023 _____

Reviewed By: ___ Volkert – John Saunders _____

Topic	Details
Location	Shoulder
Approx. Stationing Extent	STA 2811 + 50 to 2869 + 40 *Northern portion of this barrier (STA 2839 + 20 to 2869 + 40) will be built with the -6 project, not <u>this -8 project</u> .
Length	5,751 ft. total: 2,771 ft. constructed with -8 2,977 ft. constructed with -6
Height	14 ft.
Estimated Cost (@ \$30/ sq. ft.)	\$2,415,420
Design/Constructability Issues	406243-8 Project Limits end at Sta 2835+00. 420' of the wall will extend beyond Project Limits. The next Project (406143-6) is scheduled for letting 18 months after this one. Options: <ol style="list-style-type: none"> 1. Build the 420' wall in the permeant location outside the project limits while the next -6 project is starting. 2. Build the 420' wall on the temporary transition which would be torn down within 2-3 years. Suggest option 1 which can be worked out with the plan design and construction.
Drainage Issues	Not for the ultimate condition. Temporary Canal construction/permitting will need to be considered in the interim.
Utility Issues	None
Safety Issues	None
Maintenance Issues	None
ROW Acquisition Issues	None
Legal Issues	None
Outdoor Advertising Issues	None
Are any of the above issues severe enough so that a noise barrier cannot be constructed at this location? If so, please explain in detail.	The wall will be constructed in phases as noted above with the details to be worked out due to the wall limits in two different projects. (Volkert is the EOR on both)

APPENDIX E

TNM Files

DRAFT

TNM Files provided in the Project File.