

# LAND USE PLAN AMENDMENT APPLICATION TRAFFIC STATEMENT

COCONUT PALM PLAZA 11.24 ACRE LUPA PALM BEACH COUNTY, FLORIDA

#### Prepared for:

BASM II, LLC PO Box 234112 Great Neck, New York 11023

Job No. 19-044

Date:

April 5, 2019

Revised: May 1, 2019

Bryan G. Kelley P.E. FL Reg. No. 74006

## **TABLE OF CONTENTS**

1.0 SITE DATA	3
2.0 TRAFFIC GENERATION	
3.0 RADIUS OF DEVELOPMENT INFLUENCE	
4.0 TRAFFIC ASSIGNMENT/DISTRIBUTION	5
5.0 YEAR 2040 ANALYSIS	
6.0 TEST 2 – FIVE YEAR ANALYSIS	6
7.0 PEAK HOUR TURNING MOVEMENTS	6
B.0 CONCLUSION	6

#### 1.0 SITE DATA

The subject parcel is located on the southeast corner of Northlake Boulevard and Coconut Boulevard in Palm Beach County, Florida and contains approximately 11.24 acres. The Property Control Number (PCN) for the subject parcel is 00-41-42-15-00-000-5020. The subject property is currently designated as Rural Residential, 1 dwelling unit per 20 acres (RR-20) on the Palm Beach County Comprehensive Plan. The property owner is requesting a change in the parcel's future land use designation to Commercial Low (CL). The purpose of this statement is to determine the total traffic volume which will be on each roadway link within the site radius of development influence for the Interim Transportation Plan. This statement will also identify which roadway links (if any) will exceed the adopted Level of Service volume for the subject links addressed within the project's radius of development influence.

#### 2.0 TRAFFIC GENERATION

The increase in daily traffic generation due to the requested change in the 11.24 acres parcels' land use designation may be determined by taking the difference between the total traffic generated for the most intensive land use under both the existing RR-20 future land use designation and the proposed CL future land use designation:

#### **RR-20**

The most intensive land use under the existing RR-20 land use designation is "Single Family Residential". Based on 1 dwelling unit per 20 acres and the site area consisting of 11.24 acres, the maximum allowable intensity for the designated acreage under the existing RR-20 land use designation is 1 single family dwelling unit calculated as follows:

#### Single Family Residential (1 DU)

Table 1 calculates the daily traffic generation, AM peak hour traffic generation, and PM peak hour traffic generation for the property under the existing RR-20 land use designation. The traffic generation has been calculated in accordance with the traffic generation rates listed in the ITE Trip Generation Manual, 10th Edition. Based on the maximum allowable dwelling units and the accepted traffic generation rates for single family residential development, the maximum traffic generation for the property under the existing RR-20 land use designation may be summarized as follows:

#### 2.0 TRAFFIC GENERATION (CONTINUED)

Daily Traffic Generation = 10 tpd AM Peak Hour Traffic Generation (In/Out) = 1 pht (0 In/1 Out)

PM Peak Hour Traffic Generation (In/Out) = 1 pht (1 In/1 Out)

CL

The most intensive land use for the proposed CL land use designation is "General Commercial". Based on a Floor Area Ratio (FAR) of 10 percent and the site area consisting of 11.24 acres, the maximum allowable intensity for the designated acreage under the proposed CL land use designation is 48,961 S.F. of retail calculated as follows:

11.24 Acres x <u>43,560 SF</u> x 0.10 = 48,961 SF Acre

General Commercial (48,961 S.F.)

Table 2 calculates the daily traffic generation, AM peak hour traffic generation, and PM peak hour traffic generation for the property under the proposed CL future land use designation. Based on the maximum allowable building square footage and the accepted traffic generation rates for commercial development, the maximum traffic generation for the property under the proposed CL land use designation may be summarized as follows:

Daily Traffic Generation = 1961 tpd

AM Peak Hour Traffic Generation (In/Out) = 24 pht (15 In/9 Out)

PM Peak Hour Traffic Generation (In/Out) = 170 pht (82 In/88 Out)

The increase in daily traffic generation due to the requested change in the parcels' land use designations is shown in Table 3 and may be calculated as follows:

Daily Traffic Generation = 1951 tpd INCREASE

AM Peak Hour Traffic Generation = 23 pht INCREASE

PM Peak Hour Traffic Generation = 169 pht INCREASE

The above information is shown for informational purposes only. However, Table 3 calculates the traffic generation for a more realistic estimate of the anticipated uses and intensities and to vest peak hour trips for the subject site. The proposed development plan is 34,861 S.F. retail, 2800 S.F. fast food restaurant with drive through, 5000 S.F. convenience store with 20 fuel positions, and a one-vehicle car wash. The traffic generation may be summarized as follows:

#### 2.0 TRAFFIC GENERATION (CONTINUED)

#### **Proposed Plan of Development**

Daily Traffic Generation = 3,801 tpd

AM Peak Hour Traffic Generation (In/Out) = 201 pht (103 In/98 Out)

PM Peak Hour Traffic Generation (In/Out) = 281 pht (138 In/143 Out)

For the purposes of the traffic analysis within the traffic study, the proposed plan of development has been utilized to be conservative. The difference in daily trips between the proposed plan of development and the existing future land use designation is 3791 trips.

#### 3.0 RADIUS OF DEVELOPMENT INFLUENCE

Based on Table 3.5-1 of the Palm Beach County Comprehensive Plan for a total trip generation increase of 3791 trips per day, the radius of influence is one mile for the Year 2040 analysis. Based on Table 12.B.2.D-7 3A of Article 12 of the Palm Beach County Unified Land Development Code, for a peak hour trip generation of 281 peak hour trips, the radius of development influence for purposes of Test 2 shall be two (2) miles.

#### 4.0 TRAFFIC ASSIGNMENT/DISTRIBUTION

The attached PROJECT DISTRIBUTION figure shows the trip distribution, which is based on the current and projected roadway geometry, a review of historical travel patterns for the area, and anticipated travel patterns associated with probable land uses under the proposed CL land use designation.

#### **5.0 YEAR 2040 ANALYSIS**

Table 4 represents the required Year 2040 Analysis. As shown in Table 4, the proposed project will have an insignificant impact on the surrounding roadway network or the significantly impacts links will meet Level of Service Standards. Therefore, the proposed land use change meets the Year 2040 requirements of the Palm Beach County Comprehensive Plan. Note that the analysis assumed the widening of Coconut Boulevard from Orange Boulevard to Northlake Boulevard from 2 lanes to 5 lanes are currently proposed in the PBC 5-year work program. Additionally, the analysis also assumed the widening of Northlake Boulevard from 140th Avenue to Ibis Road from 4LD to 6LD as part of the Avenir conditions of approval. The Avenir conditions of approval are included in Appendix C attached to this report. Avenir is required to widen Northlake Boulevard from 4LD to 6LD from 140th Avenue to State Road 7 prior to any building permits for phase 2 of the project. Therefore, Avenir is limited to only approximately 25% of their approved plan before completion of the road widening. However, the Northlake Boulevard widening design has already commenced.

#### 6.0 TEST 2 - FIVE YEAR ANALYSIS

Tables 5 and 6 represent the required Test 2 Five Year Analysis. As shown in Tables 5 and 6, all roadway links are insignificant. Therefore, the proposed land use change meets the requirements of Test 2 of the Palm Beach County Traffic Performance Standards.

#### 7.0 PEAK HOUR TURNING MOVEMENTS

The total AM and PM peak hour turning movements for the project under the proposed CL land use designation have been calculated in Table 3 in order to assess the improvements necessary to accommodate such traffic movements. The AM and PM peak hour turning movement volumes and directional distributions for the continued development under the CL land use designation may be summarized as follows:

## Directional Distribution (Trips IN/OUT)

AM Peak Hour = 234 / 223 PM Peak Hour = 302 / 309

Based on the peak hour volumes shown above and the Palm Beach County Engineering Guideline used in determining the need for turn lanes of 75 right turns or 30 left turns in the peak hour, additional turn lanes may be warranted. The need for turn lanes or access modifications will be reevaluated following the submittal of a site specific development order and site plan.

#### 8.0 CONCLUSION

As previously mentioned, this proposed future land use plan designation modification will not significantly impact any roadway segment that is projected to be operating above the adopted Level of Service on the Year 2040 Transportation System Plan. Additionally, all roadway links meet the requirements of the Test 2 analysis for the proposed development plan equating to 281 peak hour trips. Therefore, this land use plan amendment is in accordance with the goals and objectives of the Palm Beach County Comprehensive Plan, Transportation Element.

04/05/19 Revised: 05/01/19

TABLE 1
EXISTING RR-20 FUTURE LAND USE DESIGNATION - 1 SF DU

**Daily Traffic Generation** 

	ITE	130000	ATTENDED TO SECOND		Dir Spilt		Int	ernalization		Pass	-by	
Landuse	Code	100	Intensity	Rate/Equation	In Out	Gross Trips	%	Total	External Trips	%	Trips	Net Trips
Single Family Detached	210	1	Dwelling Units	10		- 10	, -	0	10	0%	0	10
			Grand Totals:			10	0.0%	0	10	0%	0	10

**AM Peak Hour Traffic Generation** 

	ITE	NAME OF	AND CONTRACT	the same agreement is the same	Dir	Split	Gr	oss T	rips	lint	ernall	zatio	Marie Control	Ex	ternal	Trips	Pas	s-by	1	Net T	rips
Landuse	Code		ntensity	Rate/Equation	In	Out	In	Out	Total	%	in	Out	Total	In	Out	Total	%	Trips	In	Out	Total
Single Family Detached	210	1	Dwelling Units	0.74	0.25	0.75	0	1	1	0.0%	0	0	0	0	1	1	0%	0	0	1	1
			Grand Totals:				0	1	1	0.0%	0	0	0	0	1	1	0%	0	0	1	1

PM Peak Hour Traffic Generation

	ITE				Dir	ed. attended to the	A STREET	oss T	TANK DESCRIPTION	A STATE OF THE PARTY OF THE PAR	(DIFFORE MALES)	zation	CARL CO.			Trips	Pass	PAGE AND LABOUR.		let TE	
Landuse	Code		Intensity	Rate/Equation	l In	Out	in	Out	Total	%	In	Out	Total	In	Out	Total	%	Trips	In	Out	Total
Single Family Detached	210	1	Dwelling Units	Ln(T) = 0.96 Ln(X) + 0.20	0.63	0.37	1	0	1	0.0%	0	0	0	1	0	1	0%	0	1	0	1
			Grand Totals:		74		1	0	1	0.0%	0	0	0	1	0	1	0%	0	1	0	1

TABLE 2
PROPOSED CL FUTURE LAND USE DESIGNATION - 48,961 SF (FOR INFORMATIONAL PURPOSES ONLY)

**Daily Traffic Generation** 

AND THE PERSON NAMED IN COLUMN	ITE	THE PARTY OF	Beas of the stands		Dir Split		Inte	malization		Pass	-by	Carlo Carlo Carlo
Landuse	Code	lı	ntensity	Rate/Equation	In Out	Gross Trips	%	Total	External Trips	%	Trips	Net Trips
Gen. Commercial	820	48,961	S.F.	$Ln(T) = 0.68 Ln(X) + 5.57^d$		3,699	The Later	0	3,699	47%	1,738	1,961
			Grand Totals:			3,699	0.0%	0	3,699	47%	1,738	1,961

**AM Peak Hour Traffic Generation** 

	ITE		SELVIE DESCRIPTION		Dir	Split	G	ross T	rips	Inte	emalk	zation		Ext	ernal	Trips	Pass	-by	P	let Tri	ps
Landuse	Code	lı	ntensity	Rate/Equation	In	Out	In	Out	Total	%	In	Out	Total	In	Out	Total	%	Trips	In	Out	Total
Gen. Commercial	820	48,961	S.F.	0.94	0.62	0.38	29	17	46	0.0%	0	0	0	29	17	46	47%	22	15	9	24
			Grand Totals:				29	17	46	0.0%	0	0	0	29	17	46	48%	22	15	9	24

PM Peak Hour Traffic Generation

The same and the	ITE				Dir	Split	G	038 T	rips	Int	ernali	zation		Ext	ernal	Trips	Pass-	by		Vet Tri	ps
Landuse	Code		ntensity	Rate/Equation	In	Out	In	Out	Total	%	In	Out	Total	In	Out	Total	%	Trips			Total
Gen. Commercial*	820	48,961	S.F.	Ln(T) = 0.74 Ln(X) + 2.89	0.48	0.52	154	166	320	0.0%	0	0	0	154	166	320	47%	150	82	88	170
			Grand Totals:				154	166	320	0.0%	0	0	0	154	166	320	47%	150	82	88	170

TABLE 3
PROPOSED CL - SITE PLAN LAND USES AND INTENSITIES

**Daily Traffic Generation** 

	ITE				Dir 3	Split		Inte	malization		Pass	-by	AV/ DANIER SE
Landuse	Code	1	ntensity	Rate/Equation	In	Out	Gross Trips	%	Total	External Trips	%	Trips	Net Trips
Gen. Commercial	820	34,861	S.F.	$Ln(T) = 0.68 Ln(X) + 5.57^d$	T		2,936	7.5%	220	2,716	50%	1,362	1,354
Fast Food Rest. + DT	934	2,800	S.F.	470.95			1,319	7.5%	99	1,220	49%	598	622
0 0	FDOT	20	Fuel Positions	14.3*PM Trips	T		4.633	7.5%	347	4,286	61%	2.615	1,671
Gas Station w/ Convenience Store	1 1001	5,000	S.F.	14.3 PM Trips			4,033	7.5%	347	4,200	0170	2,010	1,071
Carwash (Automated)k	PBC	1	Lane	166.00			166	7.5%	12	154	0%	0	154
			Grand Totals:				9,054	7.5%	678	8,376	55%	4,575	3,801

**AM Peak Hour Traffic Generation** 

	ITE				Dir	Split	G	ross T	rips	Int	ernalt	zation	Mark Street	Ext	emai	Trips	Pass	-by	100	let Tr	ps
Landuse	Code		ntensity	Rate/Equation	In	Out	In	Out	Total	%	In	Out	Total	In	Out	Total	%	Trips	In	Out	Total
Gen. Commercial	820	34,861	S.F.	0.94	0.62	0.38	20	13	33	5.0%	1	1	2	19	12	31	50%	16	9	6	15
Fast Food Rest. + DT	934	2,800	S.F.	40.19	0.51	0.49	58	55	113	5.0%	3	3	6	55	52	107	49%	52	28	27	55
00	FDOT	20	Fuel Positions	Note i	0.50	0.50	162	162	324	5.0%	8	8	40	154	154	308	61%	188	60	60	120
Gas Station w/ Convenience Store	ן יטטין	5,000	S.F.	Note	0.50	0.50	102	102	324	5.0%	l °	l °	16	154	154	306	0170	100	00	80	120
Carwash (Automated)k	PBC	1	Lane	11.97	0.50	0.50	6	6	12	5.0%	0	1	1	6	5	_ 11	0%	0	6	5	11
			Grand Totals:		Marie Marie Control		246	236	482	5,2%	12	13	25	234	223	457	56%	256	103	98	201

**PM Peak Hour Traffic Generation** 

	ITE				Dir	Spllt	G	ross T	rips	Int	ernali	zation	S - C3	Ext	ernal	Trips	Pass	-by		Vet Tr	ps
Landuse	Code		ntensity	Rate/Equation	In	Out	ln .	Out	Total	%	In	Out	Total	in	Out	Total	%	Trips	In	Out	Total
Gen. Commercial	820	34,861	S.F.	$Ln(T) = 0.74 Ln(X) + 2.89^f$	0.48	0.52	120	129	249	10.0%	12	13	25	108	116	224	50%	112	54	58	112
Fast Food Rest. + DT	934	2,800	S.F.	32.67	0.52	0.48	47	44	91	10.0%	5	4	9	42	40	82	49%	40	21	21	42
QQt_#	EDOT	20	Fuel Positions	12.3*FP+15.5*(X)	0.50	0.50	162	162	324	10.0%	16	16	32	146	146	292	61%	178	57	57	114
Gas Station w/ Convenience Store	FDOT	5,000	S.F.	12.3 PP+15.5 (A)	0.50	0.50	102	102	324	10,076	10	10	32	140	140	292	0170	1′°	57	31	114
Carwash (Automated)k	PBC	1	Lane	13.65	0.50	0.50	7	7	14	10,0%	1	0	1	6	7	13	0%	0	6	7	13
			Grand Totals:		3.901		336	342	678	9.9%	34	33	67	302	309	611	54%	330	138	143	281





N.T.S.

ENGINEERING | PLANNING | CONSULTING | SINCE 1882
Authorization No. 3452
2581 Metrocentre Blvd West + Suite 3 + West Palm Beach, Florida 33407 + (561) 478-7848

NORTHLAKE BLVD SITE 140TH AVE COCONUT BLVD TEMPLE BLVD

**LEGEND** 

PROJECT DISTRIBUTION

PROJECT DISTRIBUTION

**COCONUT PALMS PLAZA** 

19-044 BK 04/04/19

## **APPENDIX A**

**YEAR 2040 ANALYSIS** 

TRIP

INCREASE

3.01%

2.26%

2.28%

PROJECT

SIGNIFICANCE

YES

NO

NO

#### **COCONUT PALM PLAZA**

#### TABLE 4

(YEAR 2040)

#### MAXIMUM DEVELOPMENT INTENSITY - NET INCREASE

PROJECT: COCONUT PALMS PLAZA

40%

30%

20%

1516

1137

758

6D

6D

4D

50,300

50,300

33,200

EXISTING FUTURE LAND USE DESIGNATION: RURAL RESIDENTIAL, 1 DU PER 20 ACRES

TRIPS PER DAY= 10

PROPOSED FUTURE LAND USE DESIGNATION: COMMERCIAL YOW (CL)

TRIPS PER DAY= 3,801
TRIP INCREASE= 3,791

DISTRIBUTION PROJECT LOS "D"
ROADWAY FROM TO (%) TRAFFIC LANES CAPACITY

**IBIS ROAD** 

COCONUT BOULEVARD

TEMPLE BOULEVARD

COCONUT BOULEVARD	TEMPLE BOULEVARD	NORTHLAKE BOULEVARD	30%	1137	4D	33,200	3.43%	YES		
ROADWAY	FROM	TO	2040 PBC MPG TRAFFIC VOLUME	INDIAN TRAILS GROVE TRAFFIC	DISTRIBUTION (%)	PROJECT TRAFFIC	TOTAL 2040 TRAFFIC	LANES	LOS "D"	V/C RATIO
NORTHLAKE BOULEVARD NORTHLAKE BOULEVARD	140TH AVENUE COCONUT BOULEVARD	COCONUT BOULEVARD IBIS ROAD	36,100 37,300	8,879 7,477	40% 30%	1516 1137	46,495 45,914	6D 6D	50,300 50,300	0.92 0.91
COCONUT BOULEVARD	ORANGE BOULEVARD	TEMPLE BOULEVARD	15,200 16,300	935 935	20% 30%	758 1137	16,893 18,372	4D 4D	33,200 33,200	0.51 0.55

<sup>\*</sup> Project is significant when net trip increase is greater than 1% for v/c of 1.4 or more, 2% for v/c of 1.2 or more and 3% for v/c less than 1.2.

Notes:

NORTHLAKE BOULEVARD NORTHLAKE BOULEVARD

COCONUT BOULEVARD

Coconut Boulevard is in the 5-year work program to be widened from 2 lanes to 5 lanes.

140TH AVENUE

COCONUT BOULEVARD

ORANGE BOULEVARD

Northlake Boulevard from 140th Avenue to lbis Road is to be widened to 6LD as a condition of approval for Avenir. See report text for details.



Station	Roadway	From	То	Owner	Cost Feasible Lanes	Observed 2005 Counts	Observed 2010 Counts	Observed 2015 Counts	2040 SERPM 6.5 Adjusted Volume	2040 SERPM7+ Adjusted Volume
3612	MILITARY TRL	Gun Club Rd	Southern Blvd	FDOT	6D	46,230	43,502	39,773	60,800	57,800
3628	MILITARY TRL	Southern Blvd	Belvedere Rd	FDOT	6D	46,485	44,382	44,116	54,500	58,500
3648	MILITARY TRL	Belvedere Rd	Westgate Ave	FDOT	6D	48,837	42,057	45,916	55,600	53,100
3602	MILITARY TRL	Westgate Ave	Okeechobee Bl	FDOT	6D	43,495	42,578	37,728	50,400	52,300
3616	MILITARY TRL	Okeechobee Bl	Roebuck Rd	FDOT	6D	47,063	34,269	36,386	61,600	45,800
3626	MILITARYTRL	Roebuck Rd	45th St	FDOT	6D	34,107	33,207	33,587	53,000	44,200
3204	MILITARY TRL	45th St	SR-710	FDOT	6D	33,196	34,776	0	52,500	44,700
2612	MILITARY TRL	SR-710	Blue Heron Blvd	FDOT	6D	33,852	27,573	31,994	58,200	37,600
2614	MILITARY TRL	Blue Heron Blvd	Investment Lane	FDOT	6D	32,357	27,167	28,801	44,400	31,900
2602	MILITARY TRL	Investment Lane	Northlake Blvd	FDOT	6D	35,413	30,539	32,036	41,900	38,200
2600	MILITARY TRL	Northlake Blvd	Holly Dr	FDOT	6D	43,999	37,391	40,246	59,500	48,700
2606	MILITARY TRL	Holly Dr	PGA Blvd	FDOT	6D	44,353	37,111	40,379	50,000	44,500
2624	MILITARY TRL	PGA Blvd	11-95	PBC	6D	38.882	33,368	36,533	58,700	40,100
2604	MILITARY TRL	1-95	Hood Rd	PBC	6D	27,564	24,838	27,257	45,400	29,800
2208	MILITARY TRL	Hood Rd	Donald Ross Rd	PBC	6D	23,883	24,233	24,568	23,300	36,100
1602	MILITARY TRL	Donald Ross Rd	Frederick Small Rd	PBC	6Đ	30,572	34,542	34,822	40,400	46,500
1608	MILITARY TRL	Frederick Small Rd	Indian Creek Blvd	PBC	6D	28,570	30,300	29,706		The same of the sa
1600	MILITARY TRL	Indian Creek Blvd	Indiantown Rd	PBC	6D	25,419	24,322	24,049	34,900	42,400
STATE OF THE PERSON.	The second secon			A STATE OF THE PARTY OF	A CONTRACTOR OF THE PARTY OF TH	CONTRACTOR OF THE PARTY OF THE	A COMPANY OF THE PARTY OF THE P	The second second second	28,700	32,400
4690	MINER RD	Congress Ave	High Ridge Rd	PBC	2	N/A	N/A	6,882	4,800	11,700
6835	MIZNER BLVD	US-1 (Federal Hwy)	Palmetto Park Rd	BR	4D	4,895	9,033	0	7,500	12,900
6834	MIZNER BLVD	Palmetto Park Rd	Federal Hwy	BR	4D	10,273	10,001	0	7,200	14,600
2413	NORTHLAKE BLVD	Seminale Pratt Whitney Rd	140th Ave N	PBC	4	11,089	10,074	10,450	18,100	23,500
2421	NORTHLAKE BLVD	140th Ave N	Coconut Blvd	PBC	4	N/A	N/A	17,476	32,000	36,100
2411	NORTHLAKE BLVD	Goconut Blvd	Ibis Rd	PBC	4D	29,704	25,889	28,370	33,300	37,300
2407	NORTHLAKE BLVD	Ibis Rd	Beeline Hwy	PBC	4D	36,674	32,431	35,364	56,900	57,200
2401	NORTHLAKE BLVD	Beeline Hwy	Ryder Cup Blvd	PBC	6D	23,949	21,045	20,782	32,600	31,600
2205	NORTHLAKE BLVD	Ryder Cup Blvd	Steeplechase Dr / Ballenisles Dr	PBC	6D	34,280	30,702	33,499	54,500	48,600
2605	NORTHLAKE BLVD	Steeplechase Dr / Ballenisles Dr	Military Tr	PBC	6D	45,285	N/A	48,126	60,500	54,800
2207	NORTHLAKE BLVD	Military Tr	I-95	PBC	6D	51,985	46,823	53,098	64,200	61,200
2309	NORTHLAKE BLVD	I-95	Congress Ave	PBC	6D	53,292	54,580	61,294	64,100	71,600
2815	NORTHLAKE BLVD	Congress Ave	SR 811	PBC	6D	44,623	41,315	45,198	38,700	44,400
2821	NORTHLAKE BLVD	SR 811	Prosperity Farms Rd	PBC	6D	31,068	33,679	35,300	33,100	39,900
2817	NORTHLAKE BLVD	Prosperity Farms Rd	Southwind Dr	PBC	6D	36,214	32,680	37,157	38,900	39,400
2819	NORTHLAKE BLVD	Southwind Dr	US-1	PBC	60	27,179	28,891	27,771	29,000	32,400
5801	OCEAN AVE	Federal Hwy	N Ocean Blvd SR A1A	FDOT	2	6,836	6,031	8,353	7,800	6,500
4803	OCEAN AVE	SR A1A	US-1	FDOT	2	17,736	15,418	14,487	18,100	16,300
	OKEECHOBEE BLVD	SR-80/CR-880	Seminole Pratt Whitney Rd	PBC	2	N/A	N/A	N/A	5,500	9,300
3419	OKEECHOBEE BLVD	Seminole Pratt Whitney Rd	140th	PBC	4	12,520	8,931	8,971	22,600	17,000
3451	OKEECHOBEE BLVD	140th	Crestwood Blvd	PBC	4	19,260	15,734	14,757	29,400	25,600
3411	OKEECHOBEE BLVD	Crestwood Blvd	Royal Palm Beach Blvd	PBC	6D	36,631	26,200	29,304	49,800	40,900
3453	OKEECHOBEE BLVD	Royal Palm Beach Blvd	Wildcat Way	PBC	6D	63,125	37,519	44,458	59,900	48,800
3401	OKEECHOBEE BLVD	Wildcat Way	SR-7	PBC	8D	60,778	38,508	42,735	59,900	51,300
3403	OKEECHOBEE BLVD	SR-7	Sansbury's Way	FDOT	8D	51,560	47,421	49,462	60,500	57,500
3441	OKEECHOBEE BLVD	Sansbury's Way	Benoist Farms Rd	FDOT	8D	57,338	45,470	52,426	73,500	57,300
3439	OKEECHOBEE BLVD	Benoist Farms Rd	Skees Rd	FDOT	8D	61,364	51,110	62,215	80,000	60,600
3449	OKEECHOBEE BLVD	Skees Rd	Jog Rd	FDOT	8D	66,486	52,669	62,333	88,900	65,800
3103	OKEECHOBEE BLVD	Jog Rd	Florida Tumpike	FDOT	8D	74,427	51,444	0	98,400	57,600
3207	OKEECHOBEE BLVD	Florida Tumpike	Haverhill Rd	FDOT	8D	70,171	61,025	68,421	96,000	74,300

Station	Roadway	From	То	Owner	Cost Feasible Lanes	Observed 2005 Counts	Observed 2010 Counts	Observed 2015 Counts	2040 SERPM 6.5 Adjusted Volume	2040 SERPM7+ Adjusted Volume
6403	CLINT MOORE RD	SR 7	Lyons Rd	PBC	4D	13,291	15,148	18,460	16,700	19,100
6201	CLINT MOORE RD	Lyons Rd	Jog Rd	PBC	4D	21,809	21,525	24,350	26,500	30,000
6607	CLINT MOORE RD	Jog Rd	Military Tr	PBC	4D	29,949	28,767	30,959	38,000	36,000
6601	CLINT MOORE RD	Military Tr	Congress Ave	BR	6D	30,737	29,298	27,719	32,500	34,400
6301	CLINT MOORE RD	Congress Ave	NW 2nd Ave	BR	4D	13,712	10,637	12,136	14,500	11,200
2104	COCONUT BLVD	Persimmon BI	Orange BI	PBC	2	3,986	2,791	2,952	6,900	1,500
2412	COCONUT BLVD	Orange Bl	Temple Blvd	PBC	2	13,365	10,796	11,459	10,300	15,200
2404	COCONUT BLVD	Temple Blvd	Northiake Blvd	PBC	2	14,104	11,665	11,937	7,000	16,300
3641	COMMUNITY DR	Haverhill Rd	Military Tr	PBC	5	16,206	15,110	13,454	15,900	18,900
3659	COMMUNITY DR	Military Tr	Village Blvd	PBC	3	17,204	15,076	17,683	20,900	17,500
6614	CONGRESS AVE	Yamato Rd	Clint Moore Rd	BR	6D	25,198	25,740	0	33,200	37,700
6644	CONGRESS AVE	Clint Moore Rd	NW 82nd St	BR	6D	28,805	28,300	34,731	41,100	32,800
6204	CONGRESS AVE	NW 82nd St	Linton Blvd	BR	6D	24,665	17,757	21,315	34,400	23,900
5850	CONGRESS AVE	Linton Blvd	Lowson Blvd	PBC	6D	26,965	23,248	24,774	35,400	32,200
5612	CONGRESS AVE	Lowson Blvd	Atlantic Ave	PBC	6D	30,312	26,151	29,209	38,400	31,400
5630	CONGRESS AVE	Atlantic Ave	Lake Ida Rd	PBC	6D	32,662	32,658	34,768	43,500	40,500
5602	CONGRESS AVE	Lake Ida Rd	35th Ave SW	PBC	6D	31,948	29,740	30,608	41,600	36,300
5626	CONGRESS AVE	35th Ave SW	Golf Rd	PBC	6D	38,852	34,332	36,139	50,800	41,200
5624	CONGRESS AVE	Golf Rd	Woolbright Rd	PBC	6D	41,510	35,627	37,827	51,700	41,600
5610	CONGRESS AVE	Woolbright Rd	Boynton Beach Blvd	PBC	6D	38,259	32,543	33,549	48,100	37,800
5658	CONGRESS AVE	Boynton Beach Blvd	Old Boynton Rd	PBC	6D	N/A	47,139	38,263	38,200	56,200
5206	CONGRESS AVE	Old Boynton Rd	Gateway Blvd	PBC	6D	48,285	36,788	36,914	52,200	41,900
4610	CONGRESS AVE	Gateway Blvd	Hypoluxo Rd	PBC	6D	36,348	28,826	28,960	38,600	36,000
4600	CONGRESS AVE	Hypoluxo Rd	Lantana Rd	PBC	4D	29,993	25,175	23,246	34,000	29,100
4624	CONGRESS AVE	Lantana Rd	JFK Dr	FDOT	6D	41.814	31,730	35,206	55,800	45,000
4626	CONGRESS AVE	JFK Dr	6th Ave S	FDOT	6D	44,492	33,615	35,163	59,600	48,100
4622	CONGRESS AVE	6th Ave S	Lake Worth Rd	FDOT	6D	43,176	35,682	35,712	57,200	51,700
4620	CONGRESS AVE	Lake Worth Rd	French Ave	FDOT	6D	45,274	36,622	35,400	54,900	44,000
4604	CONGRESS AVE	French Ave	10th Ave N	FDOT	6D	47,387	39,769	38,733	61,500	50,400
4210	CONGRESS AVE	10th Ave N	Forest Hill Blvd	FDOT	6D	44.674	36,680	34,955	56,500	47,800
3644	CONGRESS AVE	Forest Hill Blvd	Summit Blvd	FDOT	6D	35,421	29,709	26,658	48,800	40,100
3674	CONGRESS AVE	Summit Blvd	Gun Club Rd	FDOT	6D	40,820	34,458	33,418	49,900	48,200
3618	CONGRESS AVE	Gun Club Rd	Southern Blvd	FDOT	6D	44,515	34,224	33,642	50,300	44,200
3668	CONGRESS AVE	Tumage Blvd (PBIA)	Belvedere Rd	PBC	2	7,890	5,625	3,374	9,700	5,300
3606	CONGRESS AVE	Belvedere Rd	Okeechobee Blvd	PBC	4D	24,328	16,624	15,323	29,700	22,000
3305	CONGRESS AVE	Okeechobee Blvd	Palm Beach Lakes Blvd	PBC	4D	25,375	16,832	17,673	29,800	25,400
3930	CONGRESS AVE	Palm Beach Lakes Blvd	Presidential Way	PBC	5	29,729	18,035	17,099	34,000	29,100
3928	CONGRESS AVE	Presidential Way	45th St	PBC	5	28,624	17,424	18,929	32,900	24,800
2308	CONGRESS AVE	45th St	MLK Blvd	PBC	6D	34,417	25,403	25,291	42,900	40,500
2618	CONGRESS AVE	MLK Blvd	Blue Heron Blvd	PBC	4D	27.055	18,586	19,670	27,500	22,900
2622	CONGRESS AVE	Blue Heron Blvd	Silverbeach Rd	PBC	4D	24,398	N/A	22,390	40,700	21,000
2620	CONGRESS AVE	Silverbeach Rd	Northlake Blvd	PBC	4D	25,819	24.047	25,054	29,600	34,200
	CONGRESS AVE	Northlake Blvd	Alt. A1A	PBC	2	N/A	N/A	N/A	17,300	11,900
7011	CR-717	State Market Rd SR-729	SR-700, US-98	PBC	2	3,171	N/A	0	4,600	3,400
7024	CR-880	Duda Rd	MLK BI	PBC	2	6,410	5,588	5,091	4,500	3,500
7001	CR-880	Airport Rd	ISR-80	PBC	2	4,210	3,037	0	300	1,000
4641	CRESTHAVEN BLVD	Jog Rd	Sherwood Forest Blvd	PBC	2	9,192	8,125	8,729	10,000	8,500
4633	CRESTHAVEN BLVD	Sherwood Forest Blvd	Haverhill Rd	PBC	2	8,305	8,404	8,527	8,100	8,400

### **APPENDIX B**

**TEST 2 ANALYSIS** 

## TABLE 5 TEST 2 - PROJECT SIGNIFICANCE CALCULATION AM PEAK HOUR

TEST 2 - FIVE YEAR ANALYSIS 2 MILE RADIUS

TOTAL AM PEAK HOUR PROJECT TRIPS (ENTERING) = 103

TOTAL AM PEAK HOUR PROJECT TRIPS (EXITING) = 98

					M PEAK HOUR DIRECTIONAL				TOTAL	
STATION	ROADWAY	FROM	то	PROJECT DISTRIBUTION	PROJECT TRIPS	EXISTING LANES	CLASS	LOS E STANDARD	PROJECT IMPACT	PROJECT SIGNIFICANT
2413	NORTHLAKE BOULEVARD	SEMINOLE PRATT WHITNEY RO	140TH AVENUE	30%	31	4D	1	1960	1.58%	NO
2421	NORTHLAKE BOULEVARD	140TH AVENUE	COCONUT BOULEVARD	40%	41	4D	1	1960	2.10%	NO
2411	NORTHLAKE BOULEVARD	COCONUT BOULEVARD	IBIS BOULEVARD	30%	31	4D	- 1	1960	1.58%	NO
2407	NORTHLAKE BOULEVARD	IBIS BOULEVARD	STATE ROAD 7	30%	31	4D	4	1960	1.58%	NO
2412	COCONUT BOULEVARD	ORANGE BOULEVARD	TEMPLE BOULEVARD	20%	21	5	1	1960	1.05%	NO
2404	COCONUT BOULEVARD	TEMPLE BOULEVARD	NORTHLAKE BOULEVARD	30%	31	5	1 1	1960	1.58%	NO
N/A	140TH AVENUE	TEMPLE BOULEVARD	NORTHLAKE BOULEVARD	10%	10	2	1	880	1.17%	NO
N/A	TEMPLE BOULEVARD	140TH AVENUE	COCONUT BOULEVARD	5%	5	2	1	880	0.59%	NO



## TABLE 6 TEST 2 - PROJECT SIGNIFICANCE CALCULATION PM PEAK HOUR

TEST 2 - FIVE YEAR ANALYSIS 2 MILE RADIUS

TOTAL PM PEAK HOUR PROJECT TRIPS (ENTERING) = 138

TOTAL PM PEAK HOUR PROJECT TRIPS (EXITING) = 143 PM PEAK HOUR DIRECTIONAL TOTAL PROJECT LOSE PROJECT PROJECT EXISTING PROJECT TO IMPACT SIGNIFICANT STATION ROADWAY FROM DISTRIBUTION TRIPS LANES CLASS STANDARD NORTHLAKE BOULEVARD SEMINOLE PRATT WHITNEY ROA 140TH AVENUE 30% 43 4D 2.19% NO 2413 1960 2421 NORTHLAKE BOULEVARD 140TH AVENUE **COCONUT BOULEVARD** 40% 57 4D 1960 2.92% NO 2411 NORTHLAKE BOULEVARD COCONUT BOULEVARD IBIS BOULEVARD 30% 43 4D 1960 2.19% NO 2407 NORTHLAKE BOULEVARD IBIS BOULEVARD STATE ROAD 7 30% 43 4D 1960 2.19% NO 2412 COCONUT BOULEVARD ORANGE BOULEVARD **TEMPLE BOULEVARD** 20% 29 5 1960 1.46% NO 2404 COCONUT BOULEVARD **TEMPLE BOULEVARD** NORTHLAKE BOULEVARD 30% 43 5 1960 2.19% NO N/A 140TH AVENUE **TEMPLE BOULEVARD** NORTHLAKE BOULEVARD 10% 2 880 1.63% NO 14 N/A **TEMPLE BOULEVARD** 140TH AVENUE **COCONUT BOULEVARD** 5% 7 2 880 0.81% NO

## **APPENDIX C**

## **AVENIR CONDITIONS OF APPROVAL**

#### 2. The following is the general phasing schedule for the project:

LAND USE	Total	Phase 1 (2015-2020)	Phase 2 (2021-2025)	Phase 3 (2026-2030)	Phase 4 (2031- Buildout)
Civic/Recreation	60 acres (land dedication)	60 ac			
Office Professional Medical Commercial	1,940,000 SF 200,000 SF 400,000 SF	225,000 SF 50,000 SF 200,000 SF	225,000 SF 100,000 SF 100,000 SF	450,000 SF 50,000 SF 100,000 SF	1,040,000 SF
Hotel	300 rooms		150 rooms	150 rooms	
Park	55 acres (land dedication)	55 ac			
Police/Fire/City Annex	15 acres (land dedication)	15 ac		,	
Public School	15 acres (land dedication)	15 ac			
Residential Multifamily Single-Family	250 units 3,000 units	250 units 1,000 units	1,000 units	1,000 units	

This table is not intended to restrict the amount or type of development that may be included in each phase. Rather, the amount and type of development at each phase is limited only by the maximum number of trips for such phase as identified as follows:

8 9	<u>Phase</u>	AM Peak Hour Trips <sup>1</sup>	PM Peak Hour Trips <sup>1</sup>
10	1	1,325	1,760
11	2	2,394	2,873
12	3	3,586	4,247
13	4	4,344	5,539

<sup>&</sup>lt;sup>1</sup> Cumulative net external trips

These trip amounts are cumulative (i.e., they include trips from each previous phase), and were derived from the trips generated by the development program for each phase listed above. These trip totals were used to calculate the timing of proportionate share payments and the timing of other required traffic improvements. The density and intensity for the overall PCD development is based on the trip generation that is the basis of the Proportionate Share Agreement entered into between the Applicant and Palm Beach

1		b. Northlake Boulevard and Coconut Boulevard (Driveway #4)
2		Northbound: One (1) left-turn lane, two (2) through lanes, and one (1)
3		free-flow right-turn lane
4		Southbound: Three (3) left-turn lanes, two (2) through lanes, and one (1)
5 6		right-turn lane  Fastbound: Two (2) left turn lanes, three (3) through lanes, and one (1)
7		Eastbound: Two (2) left-turn lanes, three (3) through lanes, and one (1) right-turn lane
8		Westbound: Two (2) left-turn lanes, four (4) through lanes, and one (1)
9		right-turn lane
10		
11		c. Northlake Boulevard and 140th Avenue North (Driveway #2)
12		Northbound: One (1) left-turn lane, one (1) through lane, and two (2) right-
13 14		turn lanes Southbound: Two (2) left-turn lanes, one (1) through lane, and one (1) right-
15	•	turn lane
16		Eastbound: Two (2) left-turn lanes, three (3) through lanes, and one (1)
17		right-turn lane
18		Westbound: Two (2) left-turn lanes, two (2) through lanes, and one (1)
19		right-turn lane
20		d. Daslina Historia, and the Avenin Octoberton David
21 22		d. <u>Beeline Highway and the Avenir Connector Road</u> Northbound: Two (2) left-turn lanes and one (1) right-turn lane
22		Eastbound: Four (4) through lanes and one (1) right-turn lane
23 24		Westbound: One (1) left-turn lane and four (4) through lanes
25		Trocadana. One (1) lost tarri lano ana roar (1) timoagri lano
26	29.	No building permits for vertical construction shall be issued for development in
27		Parcel B and/or Parcel D until contracts have been let to provide westbound
28		right- turn lanes at the following driveways:
29 30		a Marthicka Paulayand and Driveyan into Decel D (Driveyan 46)
31		<ul><li>a. Northlake Boulevard and Driveway into Parcel B (Driveway #6)</li><li>b. Northlake Boulevard and Driveway into Parcel B (Driveway #5)</li></ul>
32		c. Northlake Boulevard Driveway into Parcel D (Driveway #3)
33		
34		The westbound right-turn lanes shall not be eliminated with any widening of
35		Northlake Bouleyard
36	25	Delanda the income of a halleline way to form and the Disage
37 38	30.	Prior to the issuance of a building permit for any development in Phase 2 as identified in Condition 2, the construction of Northlake Boulevard from four (4)
39		lanes to six (6) lanes between 140th Avenue North and (future) State Road 7
10		connection shall be completed.
11		
12	31.	Prior to the issuance of a building permit for any development in Phase 2 as
13 14		identified in Condition 2, construction of the Avenir Connector Road, as shown
14		on the PCD Master Plan, shall be constructed from Northlake Boulevard to the
5		Beeline Highway as a two- (2) lane roadway.