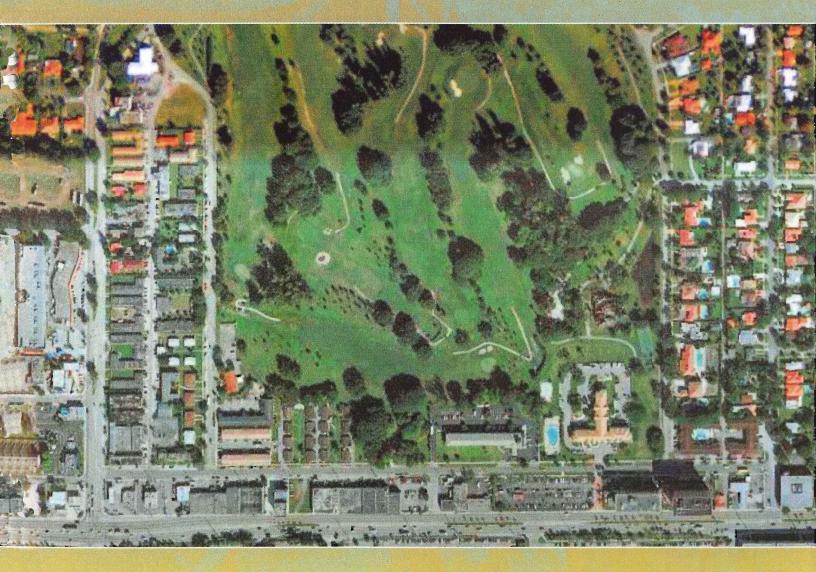
Curtiss Parkway/ NW 36 Street Traffic Study





Curtiss Parkway / NW 36 Street Traffic Study

Prepared by:

David Plummer & Associates, Inc. 1750 Ponce de Leon Boulevard Coral Gables, Florida 33134

May 2006DPA Project #05223

TABLE OF CONTENTS

			<u>Page</u>
List of	Exhibit	ts	. ii
EXEC	UTIVE	E SUMMARY	iii
1.0	1.1 1.2 1.3	ODUCTION	1
2.0	2.1 2.2 2.3	Existing Characteristics Traffic Counts Existing Conditions Link Analysis	5 7
3.0	PLAN	NED AND PROGRAMMED ROADWAY IMPROVEMENTS	10
4.0	FUTU 4.1 4.2 4.3 4.4	RE TRAFFIC CONDITIONS Background Traffic and Committed Developments Trip Generation for Proposed Project Scenarios Project Trip Assignment Future Traffic Conditions with Project	.11 .11 .17
5.0	CONC	CLUSIONS	28
Appen Appen	dix B:	Data Collection FDOT's Generalized Service Volumes Historical Background Growth Calculations Site Plan and Trip Generation & Internalization	

LIST OF EXHIBITS

<u>Exhibi</u>	<u>it</u>	<u>Page</u>
1	Location Map	2
2	Existing Lane Configurations	6
3	Existing Average Annual Daily Traffic	8
4	Existing Link Analysis	9
5A	Daily Trip Generation Alternative 1	13
5B	Daily Trip Generation Alternative 2	14
5C	Daily Trip Generation Alternative 3	15
5D	Daily Trip Generation Alternative 4	16
6	Cardinal Distribution	17
7	Project Trip Distribution	18
8A	Project Trip Assignment Alternative 1	19
8B	Project Trip Assignment Alternative 2	20
8C	Project Trip Assignment Alternative 3	21
8D	Project Trip Assignment Alternative 4	22
9A	Future Link Analysis with Project Alternative 1	24
9B	Future Link Analysis with Project Alternative 2	25
9C	Future Link Analysis with Project Alternative 3	26
9D	Future Link Analysis with Project Alternative 4	27

EXECUTIVE SUMMARY

David Plummer and Associates was retained by the City of Miami Springs to conduct a traffic impact study and assess the possible impacts on traffic flow (i.e., increased congestion) in the vicinity of the intersection of Curtiss Parkway and N. W. 36th Street. The City of Miami Springs has recently received a proposal from Strategic Properties, Inc., of Miami to construct a mixed-use project at a site in Miami Springs bounded by Curtiss Parkway, Fairway Drive and Eldron Drive. Project buildout is anticipated for 2008. The impact of four different land use scenarios was studied. At present, there are a series of one- to two-story residential structures zoned multi-family (R-3C per Miami Springs' zoning) occupying the project site. The original construction timeframe of these dwellings dates back to the 1940s and 1950s.

Based on established future traffic conditions with project for the year 2008, the analysis was completed for the four land use scenarios. Following is a summary of the findings.

- Link analysis shows that NW 36 Street currently operates at LOS (E+35%) and will operate at LOS (E+43%) in future conditions. The segments will still operate within the adopted LOS Standard (50% above LOS E for NW 36 Street) adopted by the City in their Comprehensive Plan.
- Curtiss Road currently operates at LOS C or better, and is projected to operate at LOS D, which
 is within the acceptable LOS standard (LOS E for Curtiss Road) established in the City of
 Miami Springs Comprehensive Plan.
- Operational roadway improvements are not warranted by the growth associated with any of the proposed scenarios of this project since adopted levels of service standards are met.
- Because of the location of the project in relation to the City of Miami Springs Golf Course, opportunities to travel through residential neighborhoods to access the project are limited from the north and the east. Furthermore, trips generated by the proposed retail uses (supermarket and specialty retail) are generally local in nature (i.e. relatively short trips impacting a limited

area), and are expected to satisfy nearby shopping needs from area residents. The proposed residential uses are cohesive with existing residential uses in the area. Neighborhood protection (traffic calming) improvements are not anticipated as a result of this development.

• The existing transportation network will appropriately accommodate within the adopted standards the impacts of any of the proposed scenarios for the Poinciana Golf Village project.

1.0 INTRODUCTION

1.1 Project Background

The City of Miami Springs is interested in conducting a study that would assess the possible impacts on traffic flow (i.e., increased congestion) in the vicinity of the intersection of Curtiss Parkway and N. W. 36th Street as a result of the City's proposed redevelopment efforts of the area north of Fairway Drive and east of Curtiss Parkway. The City of Miami Springs has recently received a proposal from Strategic Properties, Inc., of Miami to construct mixed-use project at a site in Miami Springs bounded by Curtiss Parkway, Fairway Drive and Eldron Drive (see Exhibit 1). Project buildout is anticipated for 2008. At present, there are a series of one- to two-story residential structures zoned multi-family (R-3C per Miami Springs' zoning) occupying the project site. The original construction timeframe of these dwellings dates back to the 1940s and 1950s.

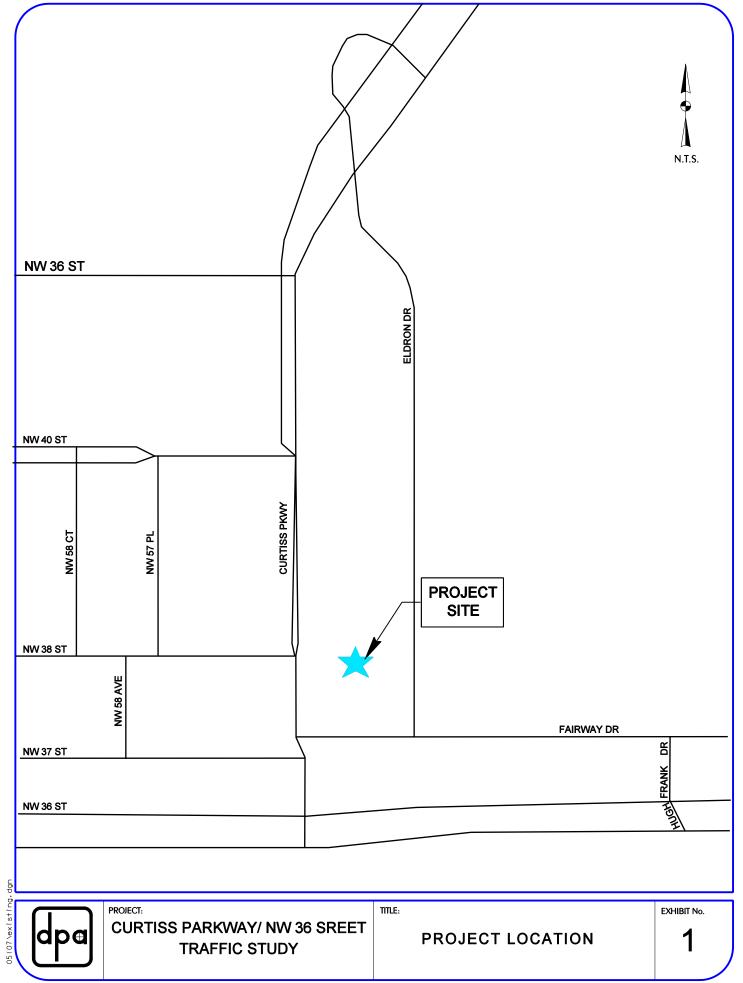
1.2 Study Objective

The objective of this study is to provide the City of Miami Springs with a traffic study that outlines the impacts of this project on the surrounding street network, and will be used as a basis for decision-making during the review and approval process of this project.

1.3 Study Methodology

The data collection and analysis presented in this report were in accordance with the scope of work established for this project outlined below.

 The study area is bounded by the roadway segments immediately adjacent to the intersection of Curtiss Parkway/NW 36 Street.



Page 2

- All traffic analysis, as requested by the City, was performed based on daily traffic volumes.
- Directional 24-hour traffic counts were taken at each of the intersection's approaches. Traffic
 counts were converted to Average Annual Daily Traffic (AADT) conditions using factors
 published by the Florida Department of Transportation.
- Other roadway physical and operational characteristics necessary to undertake capacity analysis were obtained from field observations.
- Existing roadway Level of Service (LOS) was evaluated by comparing existing AADT daily traffic volumes against service volumes published by the Florida Department of Transportation in their <u>2002 Quality/Level of Service Handbook</u>. As applicable, peak hour observations were reported as an additional qualitative traffic flow indication.
- Future traffic conditions without project for the buildout year were projected by using the historic traffic growth.
- Trip Generation was estimated for five different land use scenarios for the Poinciana Golf Village Project. All traffic generation estimates are based on weekday, daily trip generation rates and/or equations published by the Institute of Transportation Engineers in <u>Trip Generation</u>, Seventh Edition. Because of the mixed nature of this project, an estimate was made of the internal trips occurring within this site. This estimate was based on the methodology outlined in ITE's March, 2001 <u>Trip Generation Handbook</u>. In addition, the amount of pass-by trips was estimated for the retail component of the project using this same publication.
- The ITE rates and/or equations, as well as the existing development information, were used to estimate the existing traffic volumes generated by the existing uses on the site. These traffic volumes are using the area roadways today. As the existing buildings are replaced, the corresponding trips are also replaced by the trips generated by the new project. In essence, the net increase in trips from the site was estimated.
- The new daily trips generated by the project were assigned to the road network based on the directional cardinal distribution of trips information published by the Miami-Dade

Metropolitan Planning Organization. Field observations during the PM Peak Hour were made to validate the use of this distribution.

- For each scenario, roadway LOS was evaluated using the same methodology described for existing traffic conditions.
- Future traffic conditions determined the need to explore conceptual transportation improvements compatible with the area.

2.0 EXISTING TRAFFIC CONDITIONS

Data collection for this report included roadway characteristics, intersection data, and traffic counts.

2.1 Existing Characteristics

Roadway characteristics were collected and operational conditions observed for the intersection of NW 36 Street/Curtiss Parkway and the links adjacent to the intersections. Exhibit 2 shows the existing lane configurations. The following data was collected.

NW 36 Street

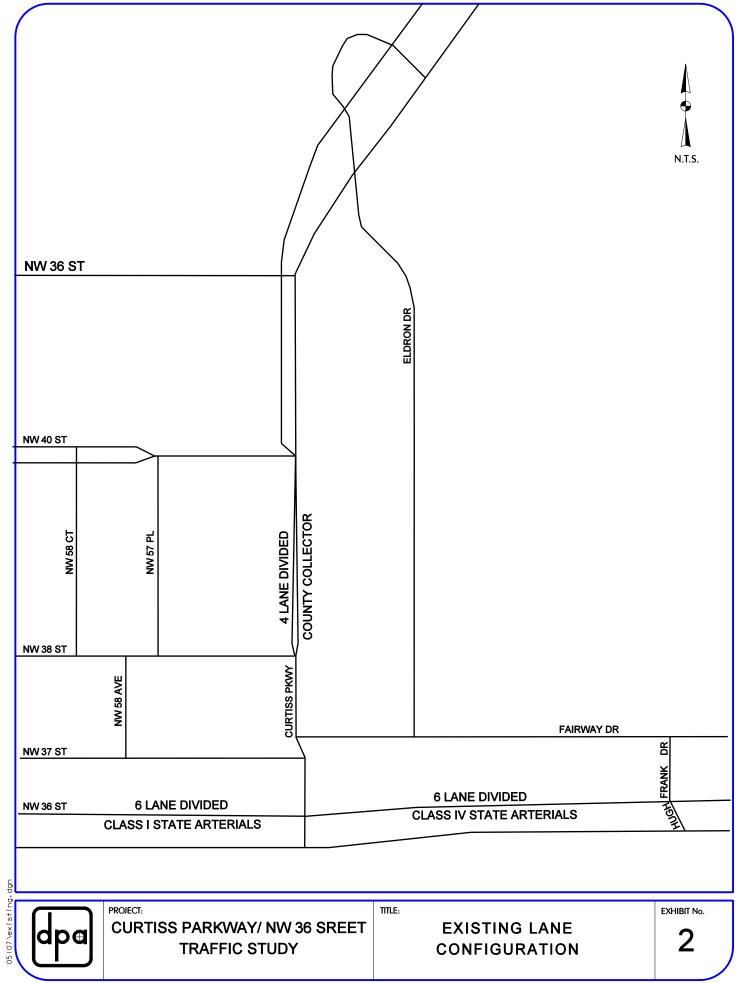
NW 36 Street is a six-lane state arterial that runs east-west and has a posted speed limit of 40 mph. The east and westbound approaches have exclusive left turn lanes at major intersections. Roadway classification for NW 36 Street was found to differ for the sections east and west of Curtiss Parkway. East of Curtiss Parkway, signal spacing is greater than 4.5 signalized intersections per mile. For purposes of this study, this section is considered a Class IV State Two-Way Arterial. West of Curtiss Parkway, signal spacing is less than 1.99 signals per mile. This sections fills the description of a Class I state arterial.

Curtiss Parkway

Curtiss Parkway is a four-lane divided roadway that transverses the city from NW 36 Street on the south to the Miami Springs Circle, abutting the City of Hialeah. The posted speed limit is 35 mph. The roadway is classified as a county collector.

NW 36 Street / Curtiss Parkway Intersection

The intersection of NW 36 Street / NW 57 Avenue / Curtiss Parkway is a 4-legged, signalized intersection. NW 36 Street is a six-lane divided highway that runs east/west. The eastbound



Page 6

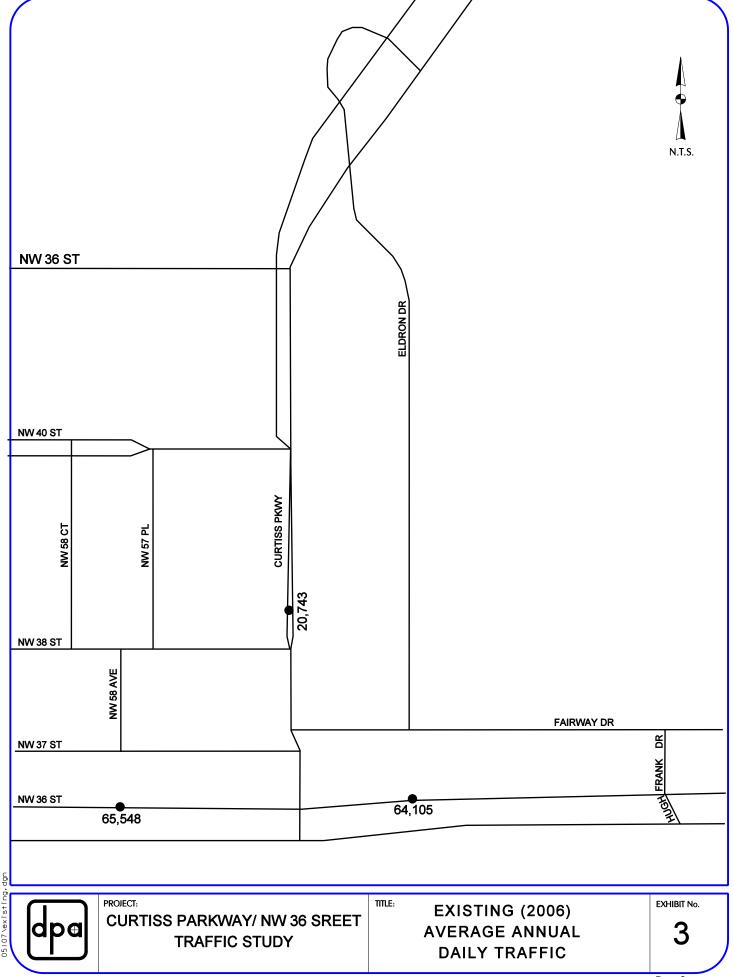
approach has an exclusive left turn lane, three through lanes and one exclusive right turn lane. The westbound approach has an exclusive left turn lane and three through lanes, and an exclusive right turn lane. The southbound approach has an exclusive left turn lane, a through lane, and a shared through and right turn lane.

2.2 Traffic Counts

Twenty-four counts were collected on Thursday, May 2, 2006 at each approach of the intersection of NW 36 Street / Curtiss Parkway. The counts were adjusted by the FDOT Weekly Volume Factor for this area of Miami-Dade County to obtain Average Annual Daily Traffic (AADT) conditions. Existing Volumes are graphically portrayed in Exhibit 3. Summarized traffic counts are also included in Appendix A.

2.3 Existing Conditions Link Analysis

Roadway Level Of Service (LOS) was evaluated by comparing existing daily traffic volumes against service volumes published by the Florida Department of Transportation <u>2002 Quality/Level of Service Handbook</u>. The analysis is based on the existing lane configuration. Other factors, such as the number of traffic signals per mile, were assessed to establish the roadway Class. Analysis results are summarized in Exhibit 4. Generalized Service Volumes published by FDOT are included in Appendix B.



Page 8

Exhibit 4

Existing Link Analysis

Curtiss Parkway/NW 36 Street Traffic Study

Roadway	Location	Funcitional Number of Volume Generalized	P45 50 I	Number of	Volume	Number of Volume Generalized	N/C	SOT	Meets LOS
		Classification	FOS SIG	Lalles	(1)	LOSESV			Star
Kompled seitan	North of	County	Ш	4 LD	20,743	32,900	0.63	0.63 C or better	YES
Culliss rainway	NW 36 Street	Collector							
	East of	State Principal E + 50% 6 LD	E + 20%	QT 9	64,105	47,600	1.35	1.35 (E+35%)	YES
NIM 26 Otroot	Curtis Parkway	Arterial							
IAVV SO SILGEI	West of	State Principal E + 50% 6 LD	E + 20%	QT 9	65,548	23,500	1.23	1.23 (E+23%)	YES
	Curtis Parkway	Arterial							

(1) Generalzied Service Volumes were obtained from the 2002 Quality/Level of Service Handbook, published by The State of Florida Department of Transportation. The following categories were used: Non-State Major City/County Roadway for Curtis Parkway. Class II State Two-way Arterial for NW 36 Street.

3.0 PLANNED AND PROGRAMMED ROADWAY IMPROVEMENTS

The 2006 Miami-Dade County <u>Transportation Improvement Program</u> (TIP) was reviewed to identify any programmed or planned roadway projects within the limits of the study area established for this study. No projects were listed within the study area.

4.0 FUTURE TRAFFIC CONDITIONS

4.1 Background Traffic and Committed Developments

Average Daily Traffic Counts published by the Miami-Dade County Public Works Department and the FDOT were reviewed to determined historic growth in the area. This analysis indicated that, even though traffic has fluctuated in recent years, a decrease in through volumes has been experienced on NW 36 Street. Traffic Count data obtained for the purpose of calculating a growth rate is provided in Appendix C.

Population estimates obtained from the US Bureau of Census for the City of Miami Springs show that in the last 20 years the city has grown at an approximate rate of 0.5% yearly. These same estimates show that growth has continued at a smaller rate for the last 10 years. However, for purposes of this study a 0.5% a compounded yearly growth rate was used. The population data obtained for this analysis is also provided in Appendix C.

4.2 Trip Generation for Proposed Project Scenarios

Trip generation for the different proposed project scenarios and for the existing land uses was estimated using the Institute of Transportation Engineers (ITE) publication *Trip Generation*, Seventh Edition. This manual provides trip generation rates and/or equations for 24-hour and peak hour volumes by land use type. These rates and equations represent vehicles at a free-standing site's driveways. The site plan and trip generation worksheets are provided in Appendix D.

ITE recognizes that data obtained to establish trip generation rates and/or equations is collected at

single-use, free-standing sites, and that mixed-use developments provide a potential for interaction of trips within the site, which must be accounted for separately. ITE's *Trip Generation Handbook*, published in March 2001, provides guidelines for establishing internal capture for mixed-use developments. These guidelines were followed in determining the potential for trip interactions within the site for each of the proposed scenarios. The internal orientation of project trips was established based on the mix of land uses, the projected number of daily trips based on the ITE rates and/or equations, and the potential for interaction of trips. The internalization matrices developed for each scenario are included in Appendix D.

Research shows that a percentage of retail trips to and from a site are "pass-by" trips. ITE describes pass-by as trips "attracted from traffic passing the site on an adjacent street". Pass-by trips are already using the existing roadway network and therefore do not result in additional impact to these facilities. Trip generation for the retail component of the project is reduced based on data provided in the <u>Trip</u> Generation Handbook.

The <u>Miami-Springs Transit System Services and Opportunities Study</u>, prepared by a local consultant for the City of Miami Springs, shows that 1.9% of the City of Miami Springs work commute trips are made via public transit. Even though the implementation of the recommendations in the study will likely result in an increase of transit demand, the recommended improvements may not be implemented by project buildout. Therefore, the existing rate was used in this study to account for other modes of transportation for the future proposed scenarios, as well as the existing uses on site.

Trips generated by the existing facilities to be demolished were credited against the proposed trips. Adjustments for the internal, pass-by trips and other modes of transportation were taken before applying the credit. A summary of the trip generation including all adjustments taken is provided in Exhibits 5A through 5D for each of the proposed development scenarios for this project.

4,338			S	/EHICLES TRIP	NET NEW EXTERNAL VEHICLES TRIPS	NET NE	
1,108	-21	NA	NA	1,129	172 Dus	230	Residential Condominium
3,200	70-	-1,832	017-	0,310	52,000 SF	068	Supermarket Existina Uses
1,187 3.206	, c	NA -1 832	-51 -216	1,201 5,316	28,430 SF 52,000 SE	850	Supermarket
1,187	-23	Ϋ́	-51	1.261	28.456 SF	814	Specialty Retail
1,053	-20	Ą	-268	1,341	238 Dus	230	Residential Condominium
Net New Daily Trips (Two-Way)	Mode Split 1.90%	Pass-by	Interna- lization	ITE Daily Trip Generation (Two-Way)	Intensity	ITE Land Use Code	Land Use
et	upermark	ıdy ,000 SF Sı	raffic Stu Retail & 52	/ 36 Street T 28,456 SF of	Curtiss Parkway/NW 36 Street Traffic Study Alternative 1 - 238 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket	Curtiss - 238 DUs of	Alternative 1
			u	Daily Trip Generation	Daily Trip		
				Exhibit 5A	EX		

Source: David Plummer and Associates. Inc.

						V	
4,461			S	'EHICLES TRIP	NET NEW EXTERNAL VEHICLES TRIPS	NET NE	
1,108	-21	NA	NA	1,129	172 Dus	230	Existing Uses Residential Condominium
3,187	-62	-1,820	-247	5,316	52,000 SF	850	Supermarket Existing Uses
1,180	-22	Α V	-59	1,261	28,456 SF	814	Specialty Retail
7,202	-73	¥ X	-306	1,53,1	SNG 817	730	Residential Condominium
Net New Daily Trips (Two-Way)	Mode Split 1.90%	Pass-by	Interna- Iization	ITE Daily Trip Generation (Two-Way)	Intensity	ITE Land Use Code	Land Use
et	upermark	ıdy ,000 SF S	raffic Stu Retail & 52	/ 36 Street T 28,456 SF of	Curtiss Parkway/NW 36 Street Traffic Study 78 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket	Curtiss - 278 DUs of	Alternative 2 - 2
			uc	Daily Trip Generation	Daily Trip		
				Exhibit 5B	Ex		

Source: David Plummer and Associates. Inc.

		EX	Exhibit 5C				
		Daily Trip	Daily Trip Generation	u			
Alternative 3 -		Curtiss Parkway/NW 36 Street Traffic Study 318 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket	V 36 Street T 28,456 SF of I	raffic Stu Retail & 52	ıdy ,,000 SF S	upermark	et
Land Use	ITE Land Use Code	Intensity	ITE Daily Trip Generation (Two-Way)	Interna- lization	Pass-by	Mode Split 1.90%	Net New Daily Trips (Two-Way)
Residential Condominium	230	318 Dus	1,716	-343	٩	92-	1.347
Specialty Retail	814	28,456 SF	1,261	99-	ξZ	53 S	1,173
Supermarket	850	52,000 SF	5,316	-277	-1,810	-61	3,168
Existing Uses Residential Condominium	230	172 Dus	1 129	۵	٩Z	-21	1 108
		- - - - -) - -	į	É	1) - - -
	NET NI	NET NEW EXTERNAL VEHICLES TRIPS	/EHICLES TRIP	S			4,580
- -							

Source: David Plummer and Associates. Inc.

4,733			တ	'EHICLES TRIP	NET NEW EXTERNAL VEHICLES TRIPS	NET NE	
1,108	-21	NA	NA	1,129	172 Dus	230	Residential Condominium
3,160	-61	-1,805	-289	5,316	52,000 SF	820	Supermarket Existina Uses
1,170	-22	AN ,	69-	1,261	28,456 SF	814	Specialty Retail
1,511	-29	Ą	-358	1,898	358 Dus	230	Residential Condominium
Net New Daily Trips (Two-Way)	Mode Split 1.90%	Pass-by	Interna- Iization	ITE Daily Trip Generation (Two-Way)	Intensity	ITE Land Use Code	Land Use
et	upermark	ıdy ,,000 SF Sı	raffic Stu Retail & 52	/ 36 Street T 28,456 SF of	Curtiss Parkway/NW 36 Street Traffic Study 58 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket	Curtiss - 358 DUs of	Alternative 4 - 3
			uc	Daily Trip Generation	Daily Trip		
				Exhibit 5D	EX		

Source: David Plummer and Associates. Inc.

4.3 Project Trip Assignment

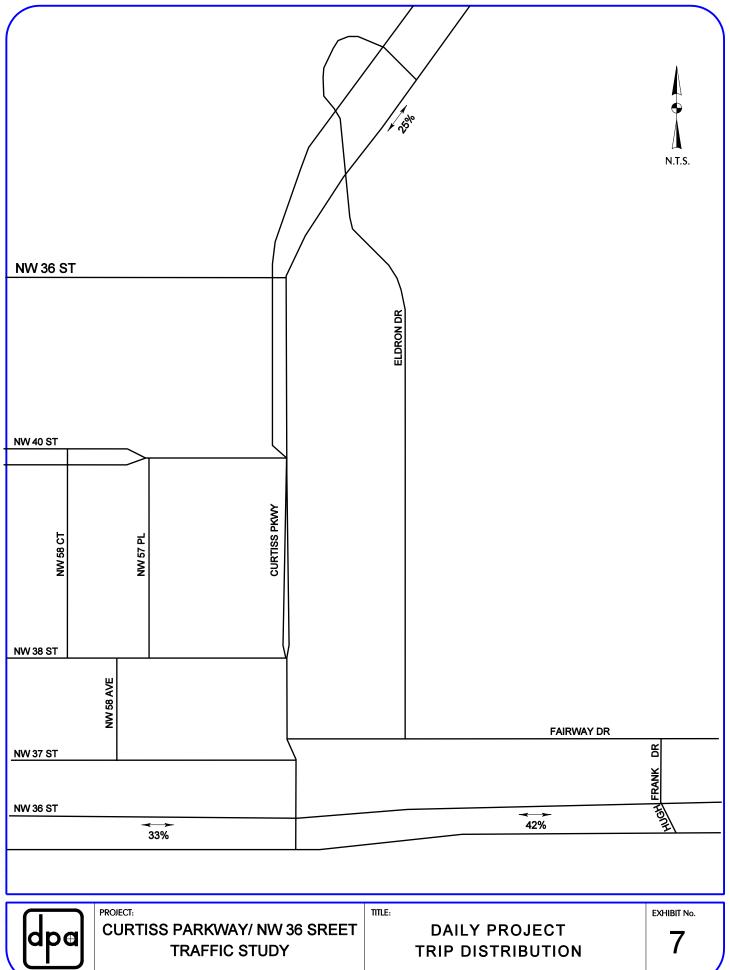
Project traffic was distributed and assigned to the study area using the Cardinal Distribution for TAZ 693 shown in Exhibit 6. The Cardinal Distribution gives a generalized distribution of trips from a TAZ to other parts of Miami-Dade County. For estimating trip distribution for the project traffic, consideration was given to conditions such as the roadway network accessed by the project traffic, roadways available to travel in the desired direction, and attractiveness of traveling on a specific roadway.

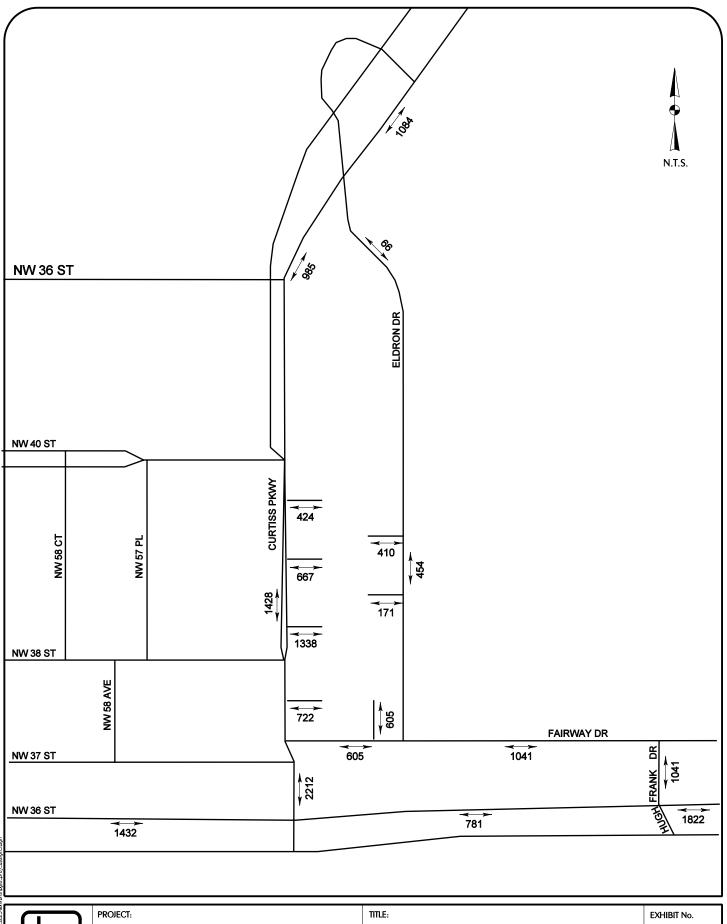
Exhibit 6 2015 Cardinal Distribution (TAZ 693)

Direction	NNE	ENE	ESE	SSE	SSW	WSW	WNW	NNW	Total
Distribution	9.32%	9.37%	19.64%	13.61%	11.66%	13.92%	6.88%	15.60%	100%

Source: Miami-Dade County Long Range Transportation Plan Update.

The resulting project trip distribution to the external roadway network is graphically portrayed in Exhibit 7. Project assignments for each scenario are provided in Exhibits 8A through 8D.

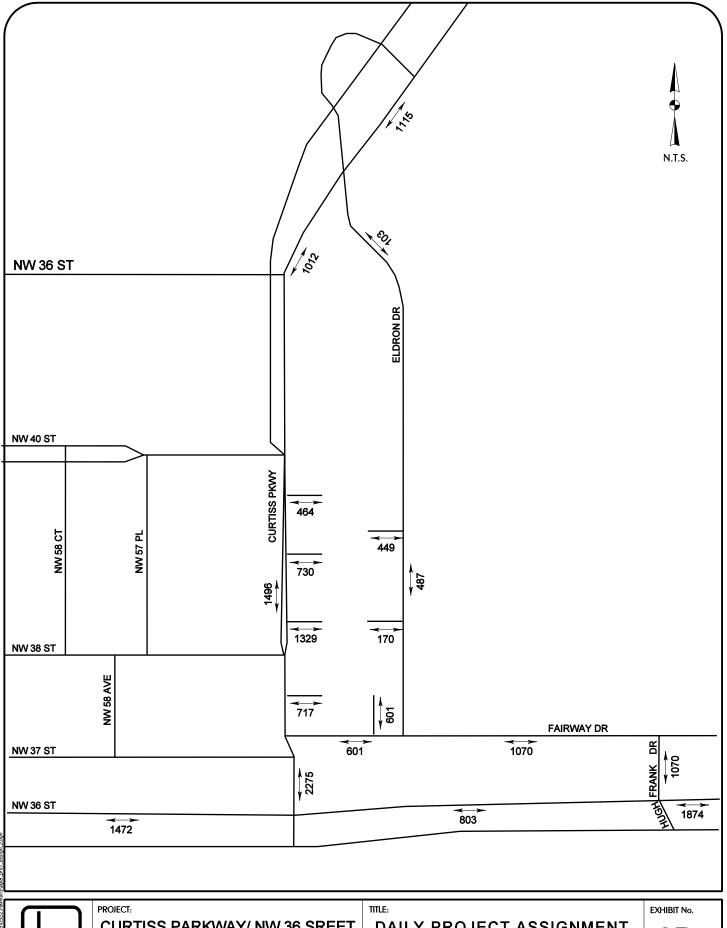




CURTISS PARKWAY/ NW 36 SREET TRAFFIC STUDY

DAILY PROJECT ASSIGNMENT LAND USE SCENARIO I

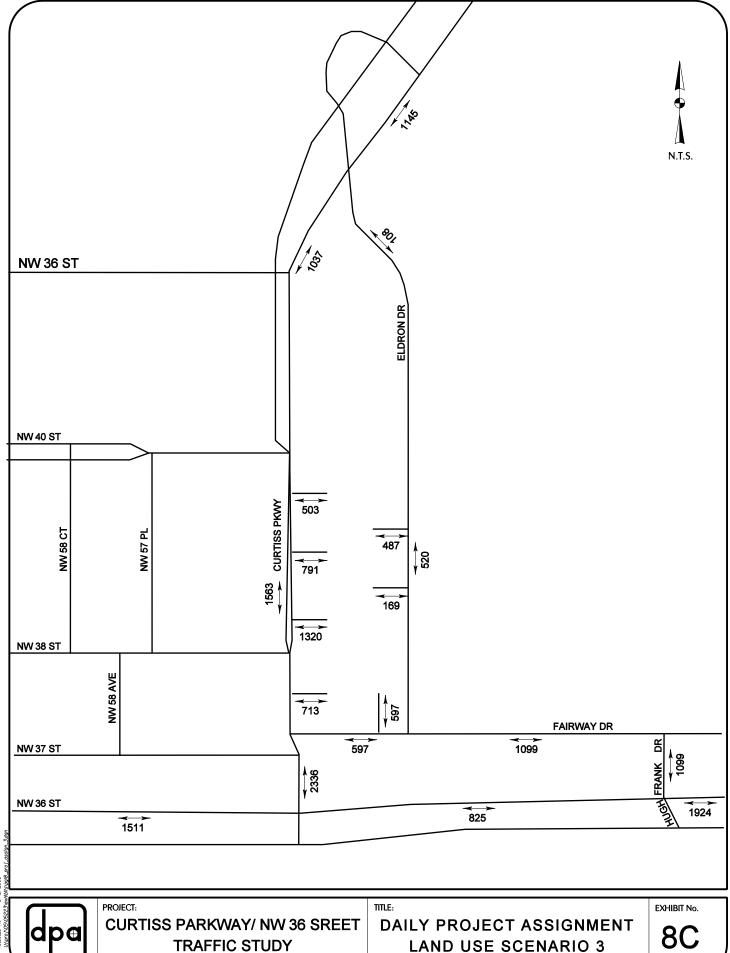
8A



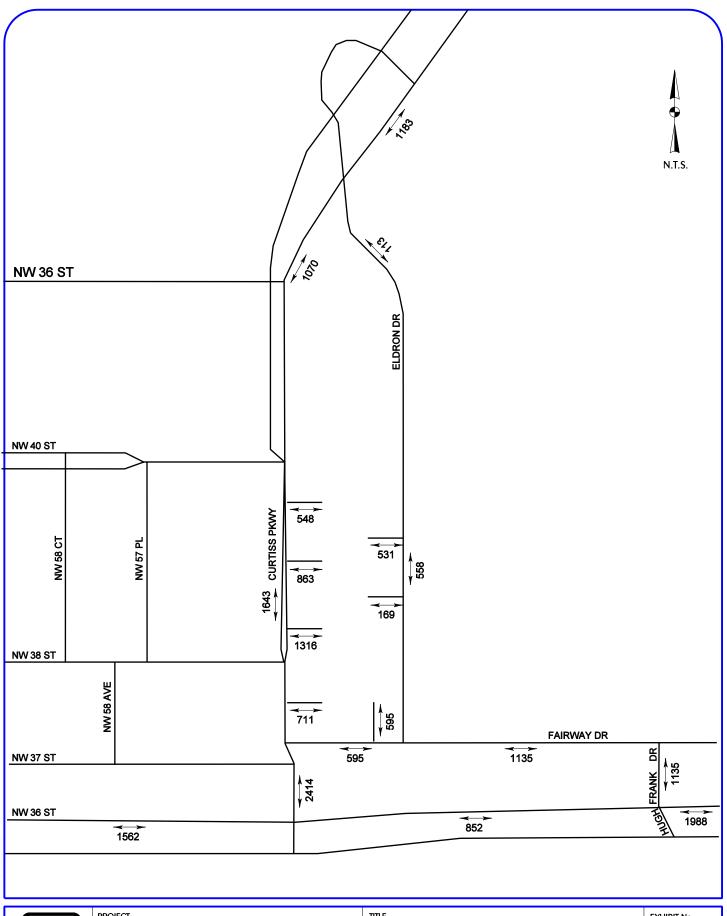
CURTISS PARKWAY/ NW 36 SREET TRAFFIC STUDY

DAILY PROJECT ASSIGNMENT LAND USE SCENARIO 2

8B



LAND USE SCENARIO 3





CURTISS PARKWAY/ NW 36 SREET TRAFFIC STUDY

DAILY PROJECT ASSIGNMENT LAND USE SCENARIO 4

EXHIBIT No.

8D

4.4 Future Traffic Conditions with Project

The historic annual growth rate was used to forecast future traffic volumes before the Project. Project traffic was then added for each of the four different land development scenarios. Link analysis was performed based on the total traffic for each land use plan. Exhibits 9A through 9D provide the link analysis for the year 2008. The analysis shows that NW 36 Street currently operates at LOS (E+35%) and will operate at LOS (E+43%) in future conditions. The segments will still operate within the adopted LOS (50% above LOS E for NW 36 Street) adopted by the City in their Comprehensive Plan. Curtiss Road currently operates at LOS C or better, and is projected to operate at LOS D, which is within the acceptable LOS standard established in the City of Miami Springs Comprehensive Plan.

Exhibit 9A

Alternative 1 - 238 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket Curtiss Parkway/NW 36 Street Traffic Study

Roadway	Location	Number of Lanes	Future Volume (2008 AADT)	Generalized	N/C	SOT	% Project of
Curtiss Parkway	North of	4 LD	23,540	32,900	0.72	Ω	9.4%
	NW 36 Street						
NW 36 Street	East of	9 FD	67,735	47,600	1.42	(E+42%)	2.7%
	Curtiss Parkway						
	West of	QT 9	68,828	53,500	1.29	(E+29%)	2.1%
	Curtiss Parkway						

(1) Generalized Service Volumes were obtained from the 2002 Quality/Level of Service Handbook, published by The State of Florida Department of Transportation. The following categories were used: Non-State Major City/County Roadway for Curtiss Parkway. Class II State Two-way Arterial for NW 36 Street.

Exhibit 9B

Alternative 2 - 278 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket Curtiss Parkway/NW 36 Street Traffic Study

Roadway	Location		Future Volume	Generalized	N/C	SOT	% Project of
		Number of Lanes	(2008 AADT)	LOS E SV			Total Traffic
Curtiss Parkway	North of	4 LD	23,603	32,900	0.72	D	%9:6
	NW 36 Street						
NW 36 Street	East of	9 PD	67,787	47,600	1.42	(E+42%)	2.8%
	Curtiss Parkway						
	West of	QT 9	698'89	23,500	1.29	(E+29%)	2.1%
	Curtiss Parkway						

(1) Generalized Service Volumes were obtained from the 2002 Quality/Level of Service Handbook, published by The State of Florida Department of Transportation. The following categories were used: Non-State Major City/County Roadway for Curtiss Parkway. Class II State Two-way Arterial for NW 36 Street.

Exhibit 9C

Alternative 3 - 318 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket Curtiss Parkway/NW 36 Street Traffic Study

Roadway	Location		Future Volume	Generalized	N/C	SOT	% Project of
		Number of Lanes	(2008 AADT)	LOS E SV			Total Traffic
Curtiss Parkway	North of	4 LD	23,664	32,900	0.72	Q	%6'6
	NW 36 Street						
NW 36 Street	East of	QT 9	67,837	47,600	1.43	(E+43%)	2.8%
	Curtiss Parkway						
	West of	QT 9	806'89	23,500	1.29	(E+39%)	2.2%
	Curtiss Parkway						

Notes:

(1) Generalized Service Volumes were obtained from the 2002 Quality/Level of Service Handbook, published by The State of Florida Department of Transportation. The following categories were used: Non-State Major City/County Roadway for Curtiss Parkway. Class II State Two-way Arterial for NW 36 Street.

Exhibit 9D

Curtiss Parkway/NW 36 Street Traffic Study

Alternative 4 - 358 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket

% Project of Total Traffic	10.2%	2.9%	2.3%
SOT	Δ	(E+43%)	(E+29%)
N/C	0.72	1.43	1.29
Generalized LOS E SV	32,900	47,600	53,500
Future Volume (2008 AADT)		67,901	68,958
Number of Lanes	4 LD	QT9	QT 9
Location	North of NW 36 Street	East of Curtiss Parkway	West of Curtiss Parkway
Roadway	Curtiss Parkway	NW 36 Street	

(1) Generalized Service Volumes were obtained from the 2002 Quality/Level of Service Handbook, published by The State of Florida Department of Transportation. The following categories were used: Non-State Major City/County Roadway for Curtiss Parkway. Class II State Two-way Arterial for NW 36 Street.

5.0 CONCLUSIONS AND RECOMMENDATIONS

A traffic impact study to assess the possible impacts on traffic flow (i.e., increased congestion) in the vicinity of the intersection of Curtiss Parkway and N. W. 36th Street was completed. Based on established future traffic conditions with project for the year 2008, the analysis was completed for the four land use scenarios. Following is a summary of the findings.

- During existing conditions, year 2006, all roadways analyzed meet the adopted City of Miami Springs LOS Standards.
- Trip generation and internalization was performed for four different proposed land use scenarios for the proposed development. Total daily trips associated with each scenario are shown below.

Proposed Land Use Alternative	Two-Way Daily Trip Generation (Net New External Trips)	
Alternative 1	4,338 Vehicles per Day	
238 DUs Condominium,		
28,456 SF Specialty Retail	i,556 vemeles per Buj	
52,000 SF Supermarket		
Alternative 2		
278 DUs Condominium,	4,461 Vehicles per Day	
28,456 SF Specialty Retail	i, ior vemeres per Buj	
52,000 SF Supermarket		
Alternative 3		
318 DUs Condominium,	4,580 Vehicles per Day	
28,456 SF Specialty Retail	i,e oo y emeres per 2 ay	
52,000 SF Supermarket		
Alternative 4		
358 DUs Condominium,	4,733 Vehicles per Day	
28,456 SF Specialty Retail	.,, es : emeles per Buy	
52,000 SF Supermarket		

• The project trips were assigned to the study area using the Cardinal Distributions published in the Miami Urban Area Study. The following estimates show what % of the future (year 2008) traffic represent project traffic for each of the scenarios analyzed.

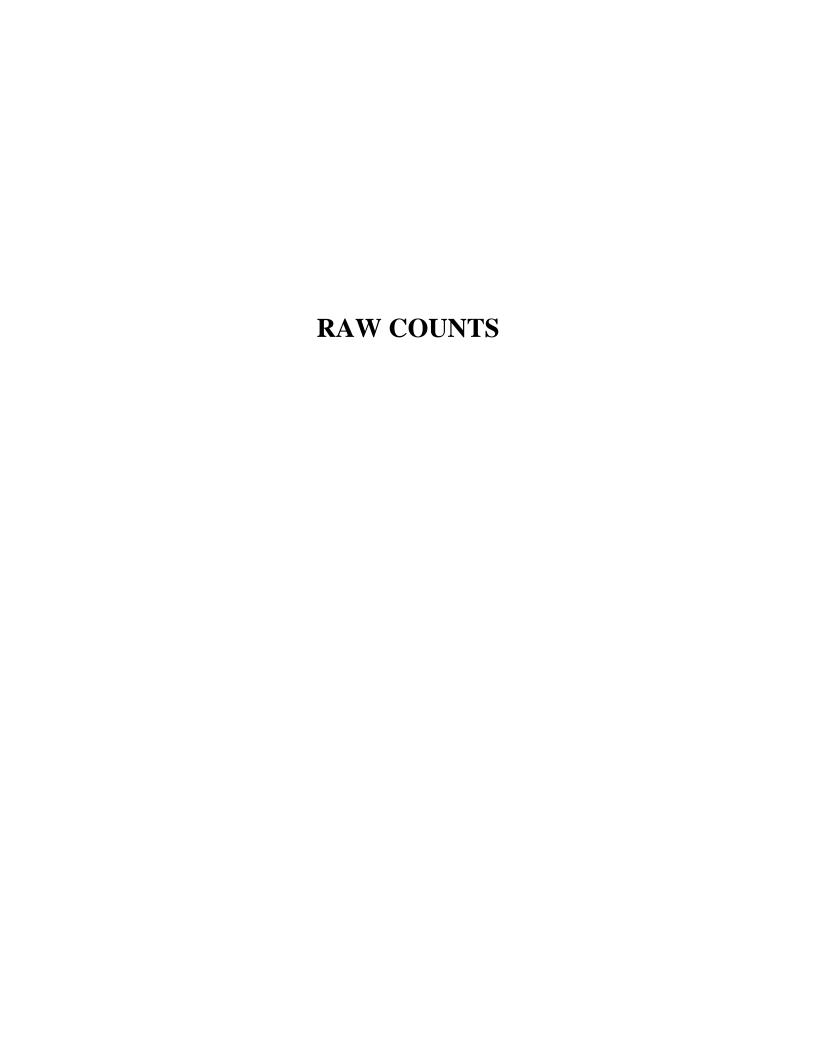
Proposed Land Use Alternative	% Project of Total (Year 2008) Traffic Volumes	
Alternative 1 238 DUs Condominium, 28,456 SF Specialty Retail 52,000 SF Supermarket	Curtiss Parkway N of NW 36 Street	9.4%
	NW 36 Street E of Curtiss Pkwy	2.7%
	NW 36 Street W of Curtiss Pkwy	2.1%
Alternative 2 278 DUs Condominium, 28,456 SF Specialty Retail 52,000 SF Supermarket	Curtiss Parkway N of NW 36 Street	9.6%
	NW 36 Street E of Curtiss Pkwy	2.8%
	NW 36 Street W of Curtiss Pkwy	2.1%
Alternative 3 318 DUs Condominium, 28,456 SF Specialty Retail 52,000 SF Supermarket	Curtiss Parkway N of NW 36 Street	9.9%
	NW 36 Street E of Curtiss Pkwy	2.8%
	NW 36 Street W of Curtiss Pkwy	2.2%
Alternative 4	Curtiss Parkway N of NW 36 Street	10.2%
358 DUs Condominium, 28,456 SF Specialty Retail 52,000 SF Supermarket	NW 36 Street E of Curtiss Pkwy	2.9%
	NW 36 Street W of Curtiss Pkwy	2.3%

• The following increases in volume to capacity ratio are experienced for future traffic conditions for each of the proposed land use scenarios.

Proposed Land Use Alternative	Volume to Capacity Ratio for Future (Year 2008) Traffic Conditions	
Existing Conditions	Curtiss Parkway N of NW 36 Street	0.63
	NW 36 Street E of Curtiss Pkwy	1.35
	NW 36 Street W of Curtiss Pkwy	1.23
Alternative 1 238 DUs Condominium, 28,456 SF Specialty Retail 52,000 SF Supermarket	Curtiss Parkway N of NW 36 Street	0.72
	NW 36 Street E of Curtiss Pkwy	1.42
	NW 36 Street W of Curtiss Pkwy	1.29
Alternative 2 278 DUs Condominium, 28,456 SF Specialty Retail 52,000 SF Supermarket	Curtiss Parkway N of NW 36 Street	0.72
	NW 36 Street E of Curtiss Pkwy	1.42
	NW 36 Street W of Curtiss Pkwy	1.29
Alternative 3 318 DUs Condominium, 28,456 SF Specialty Retail 52,000 SF Supermarket	Curtiss Parkway N of NW 36 Street	0.72
	NW 36 Street E of Curtiss Pkwy	1.43
	NW 36 Street W of Curtiss Pkwy	1.29
Alternative 4 358 DUs Condominium, 28,456 SF Specialty Retail 52,000 SF Supermarket	Curtiss Parkway N of NW 36 Street	0.72
	NW 36 Street E of Curtiss Pkwy	1.43
	NW 36 Street W of Curtiss Pkwy	1.29

- Link analysis shows that NW 36 Street currently operates at LOS (E+35%) and will operate at LOS (E+43%) under future with project conditions. The segments will still operate within the adopted LOS Standard (50% above LOS E for NW 36 Street) adopted by the City in their Comprehensive Plan.
- Curtiss Road currently operates at LOS C or better, and is projected to operate at LOS D, which is within the acceptable LOS standard (LOS E) established in the City of Miami Springs Comprehensive Plan.
- Operational roadway improvements are not warranted by the growth associated with any of the proposed scenarios of this project since adopted levels of service standards are met.
- Because of the location of the project in relation to the City of Miami Springs Golf Course, opportunities to travel through residential neighborhoods to access the project are limited from the north and the east. Furthermore, trips generated by the proposed retail uses (supermarket and specialty retail) are generally local in nature (i.e. relatively short trips impacting a limited area), and are expected to satisfy nearby shopping needs from area residents. The proposed residential uses are cohesive with existing residential uses in the area. Neighborhood protection (traffic calming) improvements are not anticipated as a result of this development.
- The existing transportation network will appropriately accommodate within the adopted standards the impacts of any of the proposed scenarios for this project.

APPENDIX A DATA COLLECTION



Delray Beach, Florida 33444 Phone (561) 272-3255 Volume Report with 24 Hour Totals Page 1 ************************* Data File : D0302001.PRN Station : 000000030104 **************************** Northbound Volume for Lane 1 _____ End Time 00 01 02 03 04 05 06 07 08 09 10 11 ------------ -------- ----_____ _ _ _ _ 45 Hr Total 125 86 38 47 61 122 344 457 421 425 424 490 ______ -------End Time 12 13 14 15 16 17 18 19 20 21 22 23

15 148 116 138 137 162 198 186 160 114 98 72 59
30 132 118 122 149 166 189 153 127 90 96 64 43
45 128 124 135 155 180 192 175 144 97 75 76 47
00 121 143 144 161 170 206 170 120 109 59 59 42 --------Hr Total 529 501 539 602 ----_ _ _ _ ____ ----_ _ _ _ 678 785 684 551 410 24 Hour Total : 9109 AM peak hour begins: 11:30 AM peak volume: 517 Peak hour factor: 0.87 PM peak hour begins: 17:00 PM peak volume: 785 Peak hour factor: 0.95 ******************* Mar 2 Southbound Volume for Lane 2 -----End Time 00 01 02 03 04 05 06 07 08 09 10 11 End Time 12 13 14 15 16 17 18 19 20 21 22 23 ---- --------____ ____ ____ - - -146 161 136 105 99 51 173 133 109 87 77 36 15 142 166 151 188 175 206 192 30 182 189 153 199 170 172 207 45 147 122 83 64 76 147 130 96 90 57 188 178 196 214 38 00 185 186 189 186 183 172 42 --------_ _ _ _ ____ _ _ _ _ ____ ----Hr Total 707 700 708 795 693 766 613 546 424 346 309 167 24 Hour Total : 12276 AM peak hour begins: 07:45 AM peak volume: 1300 Peak hour factor: 0.96 PM peak hour begins: 14:45 PM peak volume: 798 Peak hour factor: 0.93

Delray Beach, Florida 33444 Phone (561) 272-3255 Volume Report with 24 Hour Totals Page 2 ****************** Data File : D0302001.PRN Station : 000000030104 : 000000030104 Station Identification: 009601150099 Interval: 15 mm Start date: Mar 2, 06 Start time: 00:00 Stop date: Mar 2, 06 Stop time: 24:00 City/Town: Miami Springs, Fl County: Dade Location: Curtiss Parkway North of NW 36 Street Interval : 15 minutes Start time : 00:00 Stop time : 24:00 ************************* Total Volume for All Lanes End Time 00 01 02 03 04 05 06 07 08 09 10 11 --------
 15
 72
 28
 19
 24
 21
 51
 154
 311
 451
 306
 267
 275

 30
 61
 30
 11
 23
 28
 69
 240
 374
 422
 292
 225
 274

 45
 37
 33
 20
 23
 38
 111
 307
 429
 428
 275
 272
 283

 00
 38
 37
 11
 32
 48
 127
 335
 446
 370
 278
 244
 292
 45 -----____ Hr Total 208 128 61 102 135 358 1036 1560 1671 1151 1008 1124 __________. _____ ___________ End Time 12 13 14 15 16 17 18 19 20 21 22 23

15 290 282 289 325 337 404 332 321 250 203 171 110
30 324 288 294 356 348 378 326 260 199 183 141 79
45 316 302 331 369 333 391 322 266 180 139 152 85
00 306 329 333 347 353 378 317 250 205 149 116 84

24 Hour Total : 21385

AM peak hour begins: 07:30 AM peak volume: 1748 Peak hour factor: 0.97 PM peak hour begins: 17:00 PM peak volume: 1551 Peak hour factor: 0.96

Hr Total 1236 1201 1247 1397 1371 1551 1297 1097 834 674 580 358

Delray Beach, Florida 33444 Phone (561) 272-3255 Volume Report with 24 Hour Totals Page 1 Data File : D0302002.PRN : 000000030102 Station Identification: 000110252041 Interval: 15 min Start date: Mar 2, 06 Start time: 00:00 Stop date: Mar 2, 06 Stop time: 24:00 City/Town: Miami Springs, Fl County: Dade Location: NW 36 Street East of Curtiss Parkway Interval : 15 minutes ************************* Eastbound Volume for Lane 1 End Time 00 01 02 03 04 05 06 07 08 09 10 11 397 45 402 --**-**-----------Hr Total 349 187 131 152 229 568 1716 2290 2312 1859 1764 ______ ______ _ _ _ _ . End Time 12 13 14 15 16 17 18 19 20 21 22 23

15 420 474 500 462 578 561 566 448 279 250 225 155
30 488 441 478 455 558 580 583 375 248 221 184 158
45 508 460 488 409 489 598 500 317 245 217 189 128
00 490 479 492 433 563 575 444 307 222 204 149 121 ---- ----____ ----- ---- ---- ----_ _ _ _ ----Hr Total 1906 1854 1958 1759 2188 2314 2093 1447 747 994 892 _______ 24 Hour Total : 31939 AM peak hour begins: 07:15 AM peak volume: 2384 Peak hour factor: 0.97 PM peak hour begins: 17:30 PM peak volume: 2322 Peak hour factor: 0.97 Westbound Volume for Lane 2 Mar 2 End Time 00 01 02 03 04 05 06 07 08 09 10 11 Hr Total 386 205 147 179 298 793 1716 2334 2522 End Time 12 13 14 15 16 17 18 19 20 21 22 23 -----____ - - -____
 502
 531
 535
 606
 564
 602
 517
 418
 285

 497
 478
 586
 587
 571
 534
 472
 394
 257
 224 173 163 30 130 257 221 174 616 578 504 519 45 518 499 530 351 273 204 157 118 00 546 540 589 589 544 471 457 344 237 225 168 ----- ---- ----____ ____ ----____ ____ _ _ _ _ _ _ _ _ ----Hr Total 2063 2048 2240 2398 2257 2111 1965 1507 1052 874 672 24 Hour Total : 34149

Traffic Survey Specialists, Inc. 624 Gardenia Terrace Delray Beach, Florida 33444 Phone (561) 272-3255 Volume Report with 24 Hour Totals

Page 2 ***************** Data File : D0302002.PRN Station : 000000030102 : 000000030102 Station Identification: 000110252041 Interval: 15 min Start date: Mar 2, 06 Start time: 00:00 Stop date: Mar 2, 06 Stop time: 24:00 City/Town: Miami Springs, Fl County: Dade Location: NW 36 Street East of Curtiss Parkway Interval : 15 minutes ************************* Total Volume for All Lanes End Time 00 01 02 03 04 05 06 07 08 09 10 11 ____ ____ ----45 -----Hr Total 735 392 278 331 527 1361 3432 4624 4834 3912 3634 3597 ______ End Time 12 13 14 15 16 17 18 19 20 21 22 23

15 922 1005 1035 1068 1142 1163 1083 866 564 474 398 318
30 985 919 1064 1042 1129 1114 1055 769 505 442 358 288
45 1026 959 1018 1025 1067 1102 1019 668 518 421 346 246
00 1036 1019 1081 1022 1107 1046 901 651 459 429 317 240 Hr Total 3969 3902 4198 4157 4445 4425 4058 2954 2046 1766 1419 1092

24 Hour Total : 66088

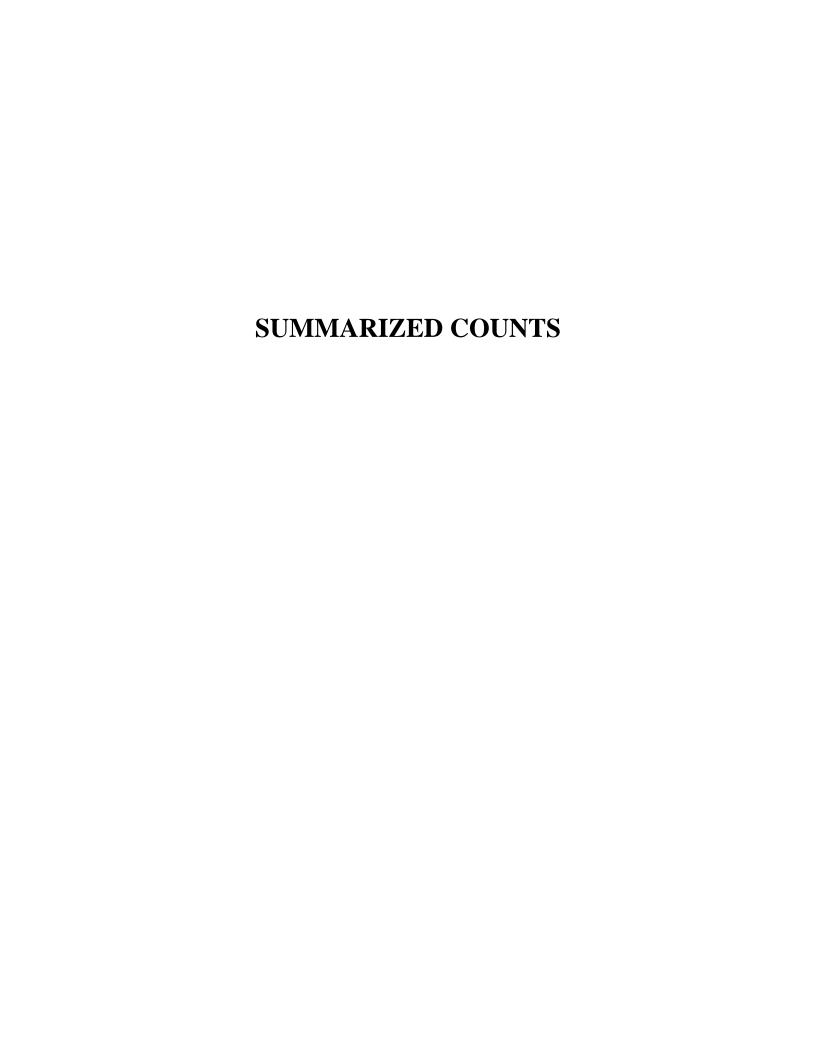
AM peak hour begins: 07:30 AM peak volume: 5040 Peak hour factor: 0.97 PM peak hour begins: 16:45 PM peak volume: 4486 Peak hour factor: 0.96

Data File : D0302004.PRN : 00000030103 Station

Identification: 009841110176 Interval : 15 minutes

Start date : Mar 2, 06 Start time : 00:00 Stop date : Mar 2, 06 Stop time City/Town : Miami Springs, Fl County Location : NW 36 Street West of Curtiss Parkway Stop time : 24:00 : Dade

Mar 2				Total	Volume	for A	.ll Lan	es				
End Time	00	01	02	03	04	05	06	07	08	09	10	11
15 30 45 00	295 198 132 128	106 98 99 97	71 67 84 51	66 71 95 85	96 115 148 170	182 243 404 496	547 863 1042 1169	1013 1135 1219 1254	1192 1224 1151 1120	995 1070 999 1006	960 938 933 925	898 905 884 1001
Hr Total	753	400	273	317	529	1325	3621	4621	4687	4070	3756	3688
End Time	12	13	14	15	16	17	18	19	20	21	22	23
15 30 45 00 	927 1018 1049 986 	1021 943 982 1066 	1065 1072 1037 1056 	1033 1086 1094 978	1204 1096 1099 1153 	1164 1106 1146 1118 	1065 1089 1022 916	907 824 697 683	592 550 515 509 2166	529 477 465 443 	436 386 393 351	356 298 270 263



DAVID PLUMMER & ASSOCIATES, INC.

24-HOUR COUNTS

Project Name:NW 36 Street and Curtiss ParkwayProject No.:05223Location:Curtiss Parkway North of NW 36 StreetCount Date:03/02/06

Observer: Traffic Survey Specialists, Inc.

BEGIN	NORTHBOUND								
TIME	1st 1/4	2nd 1/4	3rd 1/4	4th 1/4	TOTAL				
12:00 AM	47	40	20	18	125				
01:00 AM	23	20	20	23	86				
02:00 AM	11	8	13	6	38				
03:00 AM	10	12	11	14	47				
04:00 AM	9	17	11	24	61				
05:00 AM	19	25	31	47	122				
06:00 AM	51	86	104	103	344				
07:00 AM	116	114	108	119	457				
08:00 AM	111	117	100	93	421				
09:00 AM	109	93	122	101	425				
10:00 AM	116	83	112	113	424				
11:00 AM	127	126	117	120	490				
12:00 PM	148	132	128	121	529				
01:00 PM	116	118	124	143	501				
02:00 PM	138	122	135	144	539				
03:00 PM	137	149	155	161	602				
04:00 PM	162	166	180	170	678				
05:00 PM	198	189	192	206	785				
06:00 PM	186	153	175	170	684				
07:00 PM	160	127	144	120	551				
08:00 PM	114	90	97	109	410				
09:00 PM	98	96	75	59	328				
10:00 PM	72	64	76	59	271				
11:00 PM	59	43	47	42	191				
			24-HOUF	R TOTAL	9.109				

BEGIN	SOUTHBOUND								
TIME	1st 1/4	2nd 1/4	3rd 1/4	4th 1/4	TOTAL				
12:00 AM	25	21	17	20	83				
01:00 AM	5	10	13	14	42				
02:00 AM	8	3	7	5	23				
03:00 AM	14	11	12	18	55				
04:00 AM	12	11	27	24	74				
05:00 AM	32	44	80	80	236				
06:00 AM	103	154	203	232	692				
07:00 AM	195	260	321	327	1,103				
08:00 AM	340	305	328	277	1,250				
09:00 AM	197	199	153	177	726				
10:00 AM	151	142	160	131	584				
11:00 AM	148	148	166	172	634				
12:00 PM	142	192	188	185	707				
01:00 PM	166	170	178	186	700				
02:00 PM	151	172	196	189	708				
03:00 PM	188	207	214	186	795				
04:00 PM	175	182	153	183	693				
05:00 PM	206	189	199	172	766				
06:00 PM	146	173	147	147	613				
07:00 PM	161	133	122	130	546				
08:00 PM	136	109	83	96	424				
09:00 PM	105	87	64	90	346				
10:00 PM	99	77	76	57	309				
11:00 PM	51	36	38	42	167				
			24-HOUF	R TOTAL	12,276				

ī	TWO-WAY
ı	-
ļ	TOTAL
ı	208
ı	128
ı	61
	102
ı	135
	358
	1,036
	1,560
	1,671
	1,151
	1,008
	1,124
	1,236
	1,201
	1,247
	1,397
	1,371
	1,551
	1,297
	1,097
	834
	674
	580
	358
۱	21,385

DAILY TRAFFIC COUNT SUMMARY

NORTHBOUND

 AM Peak Hour:
 Time:
 11:45 AM
 Volume:
 528
 AM Peak Hour:
 Time:
 07:45 AM
 Volume:
 1,300

 PM Peak Hour:
 Time:
 05:00 PM
 Volume:
 785
 PM Peak Hour:
 Time:
 02:45 PM
 Volume:
 798

NORTHBOUND AND SOUTHBOUND

AM Peak Hour: Time: 07:30 AM Volume: 1,748

K-factor: 8.2% PHF: 0.97
D-factor: 74.0% SB

PM Peak Hour: Time: 05:00 PM Volume: 1,551

K-factor: 7.3% PHF: 0.96

K-factor: 7.3% PHF: D-factor: 50.6% NB

DAVID PLUMMER & ASSOCIATES, INC.

24-HOUR COUNTS

Project Name: NW 36 Street and Curtiss Parkway Project No.: 05223
Location: NW 36 Street East of Curtiss Parkway Count Date: 03/02/06

Observer: Traffic Survey Specialists, Inc.

BEGIN		EASTBOUND								
TIME	1st 1/4	2nd 1/4	3rd 1/4	4th 1/4	TOTAL					
12:00 AM	127	98	64	60	349					
01:00 AM	47	43	55	42	187					
02:00 AM	42	31	34	24	131					
03:00 AM	31	30	47	44	152					
04:00 AM	41	53	69	66	229					
05:00 AM	101	113	165	189	568					
06:00 AM	288	404	467	557	1,716					
07:00 AM	523	588	572	607	2,290					
08:00 AM	617	578	558	559	2,312					
09:00 AM	457	459	476	467	1,859					
10:00 AM	455	440	429	440	1,764					
11:00 AM	420	397	402	449	1,668					
12:00 PM	420	488	508	490	1,906					
01:00 PM	474	441	460	479	1,854					
02:00 PM	500	478	488	492	1,958					
03:00 PM	462	455	409	433	1,759					
04:00 PM	578	558	489	563	2,188					
05:00 PM	561	580	598	575	2,314					
06:00 PM	566	583	500	444	2,093					
07:00 PM	448	375	317	307	1,447					
08:00 PM	279	248	245	222	994					
09:00 PM	250	221	217	204	892					
10:00 PM	225	184	189	149	747					
11:00 PM	155	158	128	121	562					
			24-HOUF	R TOTAL	31,939					

BEGIN		W	ESTBOU	ND	
TIME	1st 1/4	2nd 1/4	3rd 1/4	4th 1/4	TOTAL
12:00 AM	148	96	74	68	386
01:00 AM	52	58	47	48	205
02:00 AM	31	27	54	35	147
03:00 AM	33	33	63	50	179
04:00 AM	54	60	81	103	298
05:00 AM	88	139	262	304	793
06:00 AM	270	412	499	535	1,716
07:00 AM	460	552	642	680	2,334
08:00 AM	686	658	614	564	2,522
09:00 AM	552	522	493	486	2,053
10:00 AM	485	471	462	452	1,870
11:00 AM	458	481	469	521	1,929
12:00 PM	502	497	518	546	2,063
01:00 PM	531	478	499	540	2,048
02:00 PM	535	586	530	589	2,240
03:00 PM	606	587	616	589	2,398
04:00 PM	564	571	578	544	2,257
05:00 PM	602	534	504	471	2,111
06:00 PM	517	472	519	457	1,965
07:00 PM	418	394	351	344	1,507
08:00 PM	285	257	273	237	1,052
09:00 PM	224	221	204	225	874
10:00 PM	173	174	157	168	672
11:00 PM	163	130	118	119	530
			24-HOUF	R TOTAL	34,149

392
278
331
527
1,361
3,432
4,624
4,834
3,912
3,634
3,597
3,969
3,902
4,198
4,157
4,445
4,425
4,058
2,954
2,046
1,766
1,419
1,092
66,088

TWO-WAY TOTAL

DAILY TRAFFIC COUNT SUMMARY

EASTBOUND

 AM Peak Hour:
 Time:
 07:15 AM
 Volume:
 2,384
 AM Peak Hour:
 Time:
 07:30 AM
 Volume:
 2,666

 PM Peak Hour:
 Time:
 05:30 PM
 Volume:
 2,322
 PM Peak Hour:
 Time:
 02:45 PM
 Volume:
 2,398

EASTBOUND AND WESTBOUND

AM Peak Hour: Time: 07:30 AM Volume: 5,040

K-factor: 7.6% PHF: 0.97
D-factor: 52.9% WB

PM Peak Hour: Time: 04:45 PM Volume: 4,486
K-factor: 6.8% PHF: 0.96

K-factor: 6.8% PHF: D-factor: 51.3% EB

DAVID PLUMMER & ASSOCIATES, INC.

24-HOUR COUNTS

Project Name: NW 36 Street and Curtiss Parkway Project No.: 05223
Location: NW 36 Street West of Curtiss Parkway Count Date: 03/02/06

Observer: Traffic Survey Specialists, Inc.

BEGIN	EASTBOUND								
TIME	1st 1/4	2nd 1/4	3rd 1/4	4th 1/4	TOTAL				
12:00 AM	150	116	65	65	396				
01:00 AM	61	54	56	54	225				
02:00 AM	41	40	40	28	149				
03:00 AM	32	37	50	50	169				
04:00 AM	48	64	83	80	275				
05:00 AM	104	130	175	222	631				
06:00 AM	312	464	536	608	1,920				
07:00 AM	561	597	603	611	2,372				
08:00 AM	565	600	557	559	2,281				
09:00 AM	470	524	514	517	2,025				
10:00 AM	505	487	481	467	1,940				
11:00 AM	450	457	433	494	1,834				
12:00 PM	463	510	548	493	2,014				
01:00 PM	534	507	501	532	2,074				
02:00 PM	561	536	524	531	2,152				
03:00 PM	502	493	490	457	1,942				
04:00 PM	673	590	582	644	2,489				
05:00 PM	638	619	687	668	2,612				
06:00 PM	638	632	604	500	2,374				
07:00 PM	489	451	374	343	1,657				
08:00 PM	303	284	278	263	1,128				
09:00 PM	296	259	267	214	1,036				
10:00 PM	245	204	225	182	856				
11:00 PM	191	166	156	137	650				
			24-HOUF	R TOTAL	35.201				

BEGIN	WESTBOUND								
TIME	1st 1/4	2nd 1/4	3rd 1/4	4th 1/4	TOTAL				
12:00 AM	145	82	67	63	357				
01:00 AM	45	44	43	43	175				
02:00 AM	30	27	44	23	124				
03:00 AM	34	34	45	35	148				
04:00 AM	48	51	65	90	254				
05:00 AM	78	113	229	274	694				
06:00 AM	235	399	506	561	1,701				
07:00 AM	452	538	616	643	2,249				
08:00 AM	627	624	594	561	2,406				
09:00 AM	525	546	485	489	2,045				
10:00 AM	455	451	452	458	1,816				
11:00 AM	448	448	451	507	1,854				
12:00 PM	464	508	501	493	1,966				
01:00 PM	487	436	481	534	1,938				
02:00 PM	504	536	513	525	2,078				
03:00 PM	531	593	604	521	2,249				
04:00 PM	531	506	517	509	2,063				
05:00 PM	526	487	459	450	1,922				
06:00 PM	427	457	418	416	1,718				
07:00 PM	418	373	323	340	1,454				
08:00 PM	289	266	237	246	1,038				
09:00 PM	233	218	198	229	878				
10:00 PM	191	182	168	169	710				
11:00 PM	165	132	114	126	537				
			24-HOUF	R TOTAL	32,374				

ı	TWO-WAY
	TOTAL
	753
	400
	273
	317
	529
	1,325
	3,621
I	4,621
	4,687
	4,070
	3,756
	3,688
	3,980
	4,012
ı	4,230
	4,191
	4,552
	4,534
	4,092
	3,111
	2,166
	1,914
١	1.566
١	1,187 67,575
	67,575

DAILY TRAFFIC COUNT SUMMARY

EASTBOUND

 AM Peak Hour:
 Time:
 07:30 AM
 Volume:
 2,379
 AM Peak Hour:
 Time:
 07:30 AM
 Volume:
 2,510

 PM Peak Hour:
 Time:
 05:30 PM
 Volume:
 2,625
 PM Peak Hour:
 Time:
 02:45 PM
 Volume:
 2,253

EASTBOUND AND WESTBOUND

AM Peak Hour: Time: 07:30 AM Volume: 4,889

K-factor: 7.2% PHF: 0.97
D-factor: 51.3% WB

PM Peak Hour: Time: 04:45 PM Volume: 4,569

K-factor: 6.8% PHF: 0.98

 K-factor:
 6.8%
 PHF:
 0.98

 D-factor:
 56.6%
 EB

APPENDIX B FDOT's Generalized Service Volumes

TABLE 4 - 1 GENERALIZED ANNUAL AVERAGE DAILY VOLUMES FOR FLORIDA'S **URBANIZED AREAS***

	UNINTERRUPTED FLOW HIGHWAYS						FREEWAYS						
			Le	evel of Ser	vice		Interchange spacing ≥ 2 mi. apart						
Lane	s Divided	Α	В	C	D	E				vel of Servi	ice		
2	Undivided	2,000	7,000	13,800	19,600	27,000	Lanes	A	В	C	D	Е	
4	Divided	20,400	33,000	47,800	61,800	70,200	4	23,800	39,600	55,200	67,100	74,600	
6	Divided	30,500	49,500	71,600	92,700	105,400	6	36,900	61,100	85,300	103,600	115,300	
	ST	ATE TV	VO-WAY	ARTERIA	ALS		8	49,900	82,700	115,300	140,200	156,000	
Class	I (>0.00 to 1.						10	63,000	104,200	145,500	176,900	196,400	
				evel of Ser	vice		12	75,900	125,800	175,500	213,500	237,100	
	s Divided	Α	В	C	D	E							
2	Undivided	**	4,200	13,800	16,400	16,900	Interchang	ge spacing < 2					
4	Divided	4,800	29,300	34,700	35,700	***				vel of Servi		-	
6	Divided	7,300	44,700	52,100	53,500	***	Lanes	A	В	C	D	E	
8	Divided	9,400	58,000	66,100	67,800	***	4 6	22,000 34,800	36,000 56,500	52,000 81,700	67,200 105,800	76,500 120,200	
Class	II (2.00 to 4.5	50 sionali	zed interse	ections ner	mile)		8	47,500	77,000	111,400	144,300	163,900	
Class	11 (2.00 to 4	oo sigilali		evel of Ser			10	60,200	97,500	141,200	182,600	207,600	
Lane	s Divided	A	В	C	D	Е	12	72,900	118,100	170,900	221,100	251,200	
2	Undivided	**	1,900	11,200	15,400	16,300		. =,	,	,	,		
4	Divided	**	4,100	26,000	32,700	34,500							
6	Divided	**	6,500	40,300	49,200	51,800			BIC	YCLE MO	DDE		
8	Divided	**	8,500	53,300	63,800	67,000	(Note: Le	vel of service f				based on roa	dway
						,		s at 40 mph po					
Class	III (more that					d not		facility.) (Mult					
			y central bi		trict of an		of direction	nal roadway la	nes to deter	mine two-w	ay maximu/	m service vo	lumes.)
	urbanized	d area ove	er 750,000))									
								Shoulder/		_			
	D: :1 1			evel of Ser		Б		cle Lane			Level of Se		Б
	s Divided Undivided	A **	B **	C 5,300	D 12,600	E 15,500		verage	A **	B **	C 3,200	D 13,800	E >13,800
2 4	Divided	**	**	12,400	28,900	32,800	0-49% 50-84%		**	2,500	4,100	>4,100	>13,800 ***
6	Divided	**	**	19,500	44,700	49,300		-100%	3,100	7,200	>7,200	>4,100 ***	***
8	Divided	**	**	25,800	58,700	63,800	0.5	10070	3,100	7,200	> 1,200		
	Divided			20,000	20,700	02,000			PEDE	STRIAN N	IODE		
Class	IV (more tha	n 4.5 sign	nalized inte	rsections p	er mile an	d within	(Note: Le	vel of service f				e is based on	roadway
	primary o	city centra	al business	district of	an urbaniz	ed area	geometrics at 40 mph posted speed and traffic conditions, not number of pedestrians						
	over 750,	(000,						facility.) (Mult					
_				evel of Ser		_	directiona	l roadway lane	s to determi				nes.)
	s Divided	A **	В	C	D	E	0:1				Level of Sei		
2 4	Undivided	**	**	5,200 12,300	13,700 30,300	15,000 31,700		k Coverage -49%	A **	B **	C **	D 6,400	E 15.500
6	Divided Divided	**	**	12,300	45,800	47,600		-49%)-84%	**	**	**	9,900	15,500 19,000
8	Divided	**	**	25,900	59,900	62,200		-100%	**	2,200	11,300	>11.300	***
	Divided			23,700	37,700	02,200	0.5	10070		2,200	11,500	>11,500	
		NON-ST	ATE ROA	ADWAVS				R	US MODE	(Scheduled	Fixed Rout	te)	
			ity/County					D		uses per ho)	
			evel of Ser		-		(Note: Buses	per hour shown are				n of the higher tra	iffic flow.)
Lane	s Divided	A	В	C	D	E]	Level of Sea	rvice	
2	Undivided	**	**	9,100	14,600	15,600	Sidewal	k Coverage	A	В	C	D	E
4	Divided	**	**	21,400	31,100	32,900		-84%	**	>5	<u>≥</u> 4	<u>≥</u> 3	≥2
6	Divided	**	**	33,400	46,800	49,300	85-	100%	>6	>4	<u>≥</u> 3	<u>≥</u> 2	<u>≥</u> 1
								ARTERIAL	/NON-STA	TE ROAD	WAY ADJ	USTMENT	S
			Signalized l							ED/UNDIV			
(signalized intersection analysis)						*	responding	•					
			evel of Ser				Lanes	Median		ns Lanes	A	djustment Fa	ctors
	s Divided	A	В	C	D	E	2	Divided		es		+5%	
2	Undivided	**	**	4,800	10,000	12,600	2	Undivided		o		-20%	
4	Divided	**	**	11,100	21,700	25,200	Multi	Undivided		es		-5%	
Sourc	e: Florida	a Departm	nent of Tra	nsportation	ı	02/22/02	Multi	Undivided	N	0		-25%	
		ns Plannir		•									
			Street, MS						ONE-V	VAY FACII	LITIES		
			32399-045				Decrease corresponding two-directional volumes in this table by 40% to						
http	://www11.my	tlorida.co	om/plannin	g/systems/	sm/los/de	fault.htm	0	btain the equiv	alent one di	rectional vo	olume for or	ne-way facili	ties.
	*This table does not constitute a standard and should be used only for general planning applications. The table and deriving computer models should not be used for corridor or intersection of												

in table does not constitute a samulate and should be used for confidence in the computer models should not be used for confidence in the computer models and confidence in the computer models and confidence in the computer (based on K100 factors) for levels of service and are for the automobile/truck modes unless specifically stated. Level of service letter grade thresholds are probably not comparable across modes and, therefore, cross modal comparisons should be made with caution. Furthermore, combining levels of service of different modes into one overall roadway level of service is not recommended. The table's input value defaults and level of service criteria appear on the following page. Calculations are based on planning applications of the Highway Capacity Manual, Bicycle LOS Model, Pedestrian LOS Model and Transit Capacity and Quality of Service Manual, respectively for the automobile/truck, bicycle, pedestrian and bus modes.

**Cannot be achieved using table input value defaults.

***Not applicable for that level of service letter grade. For automobile/truck modes, volumes greater than level of service D become F because intersection capacities have been reached. For bicycle and

pedestrian modes, the level of service letter grade (including F) is not achievable, because there is no maximum vehicle volume threshold using table input value defaults.

APPENDIX C Historical Background Growth Calculations

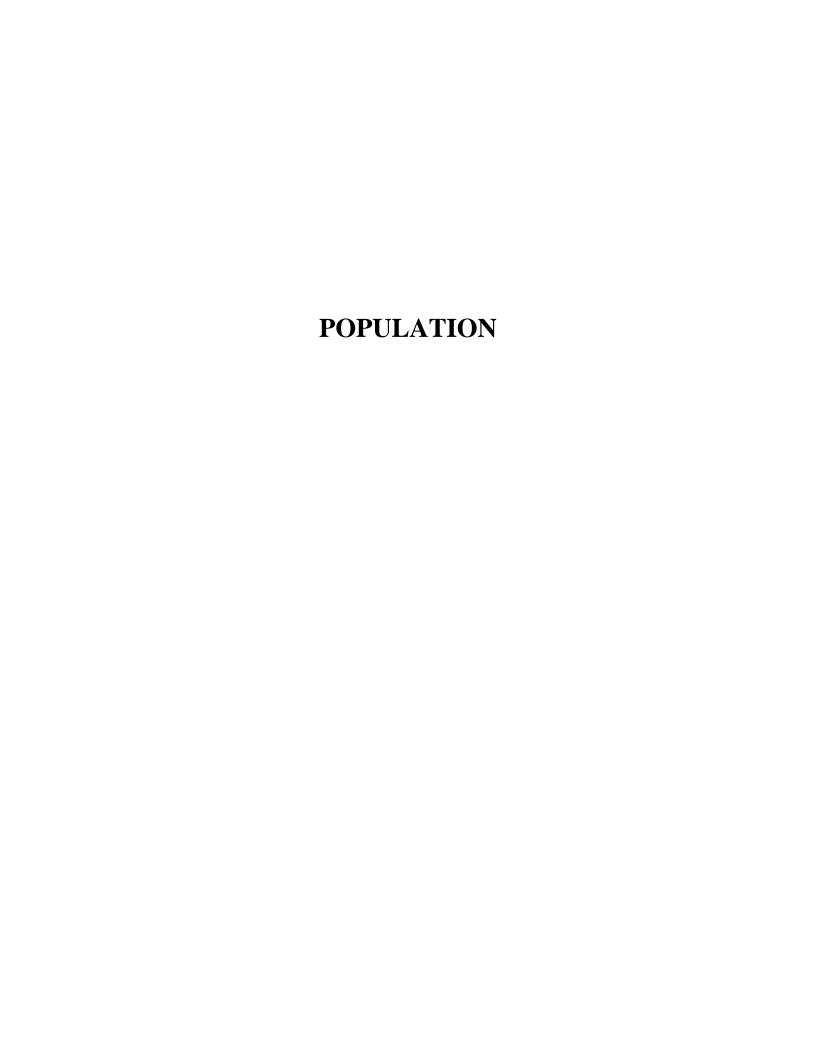
AVERAGE ANNUAL DAILY TRAFFIC COUNTS

Historic Background Growth Rate Calculations Based on Historical Traffic Counts

Curtis Parkway/NW 36 Street Traffic Study

Station	Location	YEAR / DAILY COUNT							
		2004	2003	2002	2001	2000	1999		
870102	NW 36 Street W of LeJeune Road	49,500	46,000	52,500	57,000	55,000	51,000		
871172	NW 36 Street E of NW 72 Avenue	66,500	62,500	70,000	71,500	73,000	68,500		
9430	Curtiss Parkway W of NW 36 Street	66,822	64,330	68,344	69,465	63,285	NA		
	TOTAL	182,822	172,830	190,844	197,965	191,285	NA		
		Source: F	DOT Florida T	raffic Informat	ion and Miami	-Dade County	Public Works.		

2004-00 2003-00 2002-00 2001-00 Study Area Growth Rate -1.1% -3.3% -0.1% 3.5%



Historic Growth Rate Based on Population Trends

City of Miami Springs

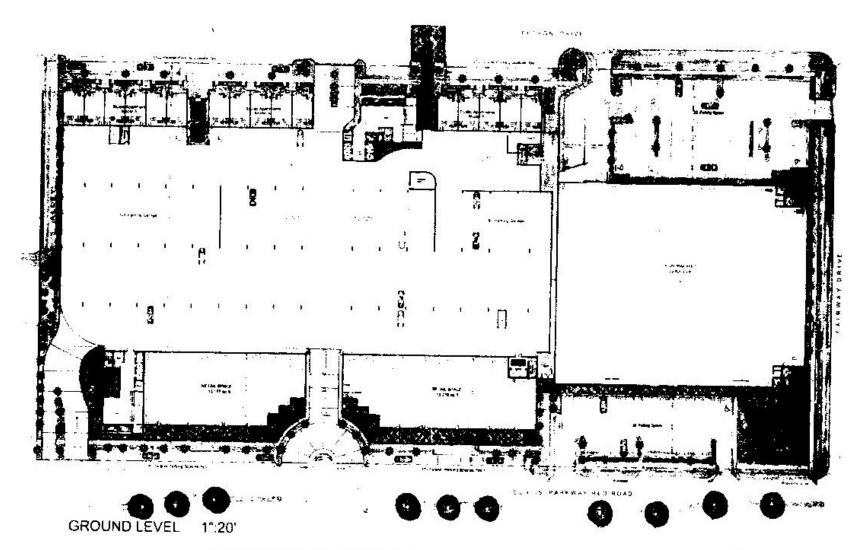
Year	1980	1990 2000		
Population	12,350	13,268 13,71		
Growth Rate	1980-00	0.5%		
	1990-00	0.3%		

Source: US Bureau of Census, Census of Population, 2000, File PL94-171, Miami Dade County Department of Planning and Zonning

APPENDIX D

Site Plan and Trip Generation & Internalization





POINCIANA GOLF VILLAGE STRATEGIC PROPERTIES

TRIP GENERATION WORKSHEETS

Summary of Trip Generation Calculation For 238 Dwelling Units of Residential Condominium / Townhouse June 15, 2006

	Average	Standard	Adjustment	Driveway
	Rate	Deviation	Factor	Volume
Avg. Weekday 2-Way Volume	5.64	0.00	1.00	1341
7-9 AM Peak Hour Enter	0.07	0.00	1.00	18
7-9 AM Peak Hour Exit	0.36	0.00	1.00	86
7-9 AM Peak Hour Total	0.43	0.00	1.00	103
4-6 PM Peak Hour Enter	0.34	0.00	1.00	82
4-6 PM Peak Hour Exit	0.17	0.00	1.00	40
4-6 PM Peak Hour Total	0.51	0.00	1.00	122
Saturday 2-Way Volume	5.42	0.00	1.00	1289
Saturday Peak Hour Enter	0.25	0.00	1.00	60
Saturday Peak Hour Exit	0.22	0.00	1.00	51
Saturday Peak Hour Total	0.47	0.00	1.00	112

24-Hr. 2-Way Volume: 7-9 AM Peak Hr. Total:	$LN(T) = .85LN(X) + 2.55, R^2 = 0.83$ LN(T) = .8LN(X) + .26
	$R^2 = 0.76$, 0.17 Enter, 0.83 Exit
4-6 PM Peak Hr. Total:	LN(T) = .82LN(X) + .32
	$R^2 = 0.8$, 0.67 Enter, 0.33 Exit
AM Gen Pk Hr. Total:	LN(T) = .82LN(X) + .17
	$R^2 = 0.8$, 0.18 Enter, 0.82 Exit
PM Gen Pk Hr. Total:	T = .34(X) + 38.31
	$R^2 = 0.83$, 0.64 Enter, 0.36 Exit
Sat. 2-Way Volume:	$T = 3.62(X) + 427.93, R^2 = 0.84$
Sat. Pk Hr. Total:	T = .29(X) + 42.63
	$R^2 = 0.84$, 0.54 Enter, 0.46 Exit
Sun. 2-Way Volume:	$T = 3.13(X) + 357.26, R^2 = 0.88$
Sun. Pk Hr. Total:	T = .23(X) + 50.01
	$R^2 = 0.78$, 0.49 Enter, 0.51 Exit

Source: Institute of Transportation Engineers Trip Generation, 7th Edition, 2003.

Summary of Trip Generation Calculation For 278 Dwelling Units of Residential Condominium / Townhouse June 15, 2006

		Standard Deviation	Adjustment Factor	Driveway Volume
Avg. Weekday 2-Way Volume	5.51	0.00	1.00	1531
7-9 AM Peak Hour Enter	0.07	0.00	1.00	20
7-9 AM Peak Hour Exit	0.35	0.00	1.00	97
7-9 AM Peak Hour Total	0.42	0.00	1.00	117
4-6 PM Peak Hour Enter	0.34	0.00	1.00	93
4-6 PM Peak Hour Exit	0.17	0.00	1.00	46
4-6 PM Peak Hour Total	0.50	0.00	1.00	139
Saturday 2-Way Volume	5.16	0.00	1.00	1434
Saturday Peak Hour Enter	0.24	0.00	1.00	67
Saturday Peak Hour Exit	0.20	0.00	1.00	57
Saturday Peak Hour Total	0.44	0.00	1.00	123

24-Hr. 2-Way Volume:	$LN(T) = .85LN(X) + 2.55, R^2 = 0.83$
7-9 AM Peak Hr. Total:	LN(T) = .8LN(X) + .26
	$R^2 = 0.76$, 0.17 Enter, 0.83 Exit
4-6 PM Peak Hr. Total:	LN(T) = .82LN(X) + .32
	$R^2 = 0.8$, 0.67 Enter, 0.33 Exit
AM Gen Pk Hr. Total:	LN(T) = .82LN(X) + .17
	$R^2 = 0.8$, 0.18 Enter, 0.82 Exit
PM Gen Pk Hr. Total:	T = .34(X) + 38.31
	$R^2 = 0.83$, 0.64 Enter, 0.36 Exit
Sat. 2-Way Volume:	$T = 3.62(X) + 427.93, R^2 = 0.84$
Sat. Pk Hr. Total:	T = .29(X) + 42.63
	$R^2 = 0.84$, 0.54 Enter, 0.46 Exit
Sun. 2-Way Volume:	$T = 3.13(X) + 357.26, R^2 = 0.88$
Sun. Pk Hr. Total:	T = .23(X) + 50.01
	$R^2 = 0.78$, 0.49 Enter, 0.51 Exit

Source: Institute of Transportation Engineers Trip Generation, 7th Edition, 2003.

Summary of Trip Generation Calculation For 318 Dwelling Units of Residential Condominium / Townhouse June 15, 2006

	Average Rate		Adjustment Factor	Driveway Volume
Avg. Weekday 2-Way Volume	5.40	0.00	1.00	1716
7-9 AM Peak Hour Enter	0.07	0.00	1.00	22
7-9 AM Peak Hour Exit	0.34	0.00	1.00	108
7-9 AM Peak Hour Total	0.41	0.00	1.00	130
4-6 PM Peak Hour Enter	0.33	0.00	1.00	104
4-6 PM Peak Hour Exit	0.16	0.00	1.00	51
4-6 PM Peak Hour Total	0.49	0.00	1.00	155
Saturday 2-Way Volume	4.97	0.00	1.00	1579
Saturday Peak Hour Enter	0.23	0.00	1.00	73
Saturday Peak Hour Exit	0.20	0.00	1.00	62
Saturday Peak Hour Total	0.42	0.00	1.00	135

24-Hr. 2-Way Volume: 7-9 AM Peak Hr. Total:	$LN(T) = .85LN(X) + 2.55, R^2 = 0.83$ LN(T) = .8LN(X) + .26
	$R^2 = 0.76$, 0.17 Enter, 0.83 Exit
4-6 PM Peak Hr. Total:	LN(T) = .82LN(X) + .32
	$R^2 = 0.8$, 0.67 Enter, 0.33 Exit
AM Gen Pk Hr. Total:	LN(T) = .82LN(X) + .17
	$R^2 = 0.8$, 0.18 Enter, 0.82 Exit
PM Gen Pk Hr. Total:	T = .34(X) + 38.31
	$R^2 = 0.83$, 0.64 Enter, 0.36 Exit
Sat. 2-Way Volume:	$T = 3.62(X) + 427.93, R^2 = 0.84$
Sat. Pk Hr. Total:	T = .29(X) + 42.63
	$R^2 = 0.84$, 0.54 Enter, 0.46 Exit
Sun. 2-Way Volume:	$T = 3.13(X) + 357.26, R^2 = 0.88$
Sun. Pk Hr. Total:	T = .23(X) + 50.01
	$R^2 = 0.78$, 0.49 Enter, 0.51 Exit

Source: Institute of Transportation Engineers Trip Generation, 7th Edition, 2003.

Summary of Trip Generation Calculation For 358 Dwelling Units of Residential Condominium / Townhouse June 15, 2006

	Average Rate		Adjustment Factor	Driveway Volume
Avg. Weekday 2-Way Volume	5.30	0.00	1.00	1898
7-9 AM Peak Hour Enter	0.07	0.00	1.00	24
7-9 AM Peak Hour Exit	0.33	0.00	1.00	119
7-9 AM Peak Hour Total	0.40	0.00	1.00	143
4-6 PM Peak Hour Enter	0.32	0.00	1.00	115
4-6 PM Peak Hour Exit	0.16	0.00	1.00	56
4-6 PM Peak Hour Total	0.48	0.00	1.00	171
Saturday 2-Way Volume	4.82	0.00	1.00	1724
Saturday Peak Hour Enter	0.22	0.00	1.00	79
Saturday Peak Hour Exit	0.19	0.00	1.00	67
Saturday Peak Hour Total	0.41	0.00	1.00	146

24-Hr. 2-Way Volume: 7-9 AM Peak Hr. Total:	$LN(T) = .85LN(X) + 2.55, R^2 = 0.83$ LN(T) = .8LN(X) + .26
	$R^2 = 0.76$, 0.17 Enter, 0.83 Exit
4-6 PM Peak Hr. Total:	LN(T) = .82LN(X) + .32
	$R^2 = 0.8$, 0.67 Enter, 0.33 Exit
AM Gen Pk Hr. Total:	LN(T) = .82LN(X) + .17
	$R^2 = 0.8$, 0.18 Enter, 0.82 Exit
PM Gen Pk Hr. Total:	T = .34(X) + 38.31
	$R^2 = 0.83$, 0.64 Enter, 0.36 Exit
Sat. 2-Way Volume:	$T = 3.62(X) + 427.93, R^2 = 0.84$
Sat. Pk Hr. Total:	T = .29(X) + 42.63
	$R^2 = 0.84$, 0.54 Enter, 0.46 Exit
Sun. 2-Way Volume:	$T = 3.13(X) + 357.26, R^2 = 0.88$
Sun. Pk Hr. Total:	T = .23(X) + 50.01
	$R^2 = 0.78$, 0.49 Enter, 0.51 Exit

Source: Institute of Transportation Engineers Trip Generation, 7th Edition, 2003.

Summary of Trip Generation Calculation For 28.456 T.G.L.A. of Specialty Retail Center June 15, 2006 $\,$

	_	Standard Deviation	Adjustment Factor	Driveway Volume
Avg. Weekday 2-Way Volume	44.32	15.52	1.00	1261
7-9 AM Peak Hour Enter	0.00	0.00	1.00	0
7-9 AM Peak Hour Exit	0.00	0.00	1.00	0
7-9 AM Peak Hour Total	0.00	0.00	1.00	0
4-6 PM Peak Hour Enter	1.19	0.00	1.00	34
4-6 PM Peak Hour Exit	1.52	0.00	1.00	43
4-6 PM Peak Hour Total	2.71	1.83	1.00	77
Saturday 2-Way Volume	42.04	13.97	1.00	1196
Saturday Peak Hour Enter	0.00	0.00	1.00	0
Saturday Peak Hour Exit	0.00	0.00	1.00	0
Saturday Peak Hour Total	0.00	0.00	1.00	0

Note: A zero indicates no data available. Source: Institute of Transportation Engineers Trip Generation, 7th Edition, 2003.

Summary of Trip Generation Calculation For 52 Th.Gr.Sq.Ft. of Supermarket June 15, 2006

	_	Standard Deviation	Adjustment Factor	-
Avg. Weekday 2-Way Volume	102.24	31.73	1.00	5316
7-9 AM Peak Hour Enter	1.98	0.00	1.00	103
7-9 AM Peak Hour Exit	1.27	0.00	1.00	66
7-9 AM Peak Hour Total	3.25	3.11	1.00	169
4-6 PM Peak Hour Enter	5.33	0.00	1.00	277
4-6 PM Peak Hour Exit	5.12	0.00	1.00	266
4-6 PM Peak Hour Total	10.45	4.97	1.00	543
Saturday 2-Way Volume	177.59	0.00	1.00	9235
Saturday Peak Hour Enter	5.49	0.00	1.00	285
Saturday Peak Hour Exit	5.27	0.00	1.00	274
Saturday Peak Hour Total	10.76	4.93	1.00	560

Note: A zero indicates no data available. Source: Institute of Transportation Engineers Trip Generation, 7th Edition, 2003.

TRIP GENERATION MATRICES

Curtiss Parkway/NW 36 Street Traffic Study

Land Use Plan Alternative 1 (238 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket)

Special	ty Retail		Residential Condominium		
Land U	Jse 814		Land Use 230		
28,456	SF GLA		238 Dus		
Super	market				
Land U	Jse 850				
52,000	SF GLA				
6,5	577		1,341		
Daily	Trips		Daily Trip	os	
IN	OUT		IN	OUT	
3,289	3,289		671	671	
	9%		33%		
	296	221	221		
11%				38%	
362		255		255	

Balanced Internalization Demand - AADT

Curtiss Parkway/NW 36 Street Traffic Study

Land Use Plan Alternative 1

(238 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket)

Specialty Retail	Residential		
	Condominium		
Land Use 814	Land Use 230		
28,456 SF GLA	238 Dus		
Supermarket		\Box	
Land Use 850			
52,000 SF GLA			
6,577	1,341	7,918	ITE TOTAL DAILY TRIPS
Daily Trips	Daily Trips		
IN OUT	IN OUT		
3,289 3,289	671 671	-40%	Adjustment to Internalization
-134	-134	535	Internal Trips
-134	-134		·
6,309	1,073	7,383	Total
4.1%	20.0%	6.8%	% Internal
-1,832	NA	-35.9%	Pass-by (Supermarket)
-85	-20	-1.9%	Transit/Pedestrians
4,392	1,053	5,445	Total
		-1,108	Existing Uses
		4,338	Net New External
		Í	Vehicular Trips

Curtiss Parkway/NW 36 Street Traffic Study

Alternative 2 - 278 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket

Specialty Retail			Residential Condominium			
Land Use 814		Land Use 230				
28,456	SF GLA		278 Dus	278 Dus		
Super	market					
Land U	Jse 850					
52,000	SF GLA					
6,5	577		1,531			
Daily Trips			Daily Trips			
IN	OUT		IN .	OUT		
3,289	3,289		766	766		
	9%		33%			
	296	253	253			
11%				38%		
362		291		291		

Balanced Internalization Demand - AADT

Curtiss Parkway/NW 36 Street Traffic Study

Alternative 2 - 278 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket

Specialty Retail	Residential		
opcolarly retain	Condominium		
Land Use 814	Land Use 230		
28,456 SF GLA	278 Dus		
Supermarket			
Land Use 850			
52,000 SF GLA			
6,577	1,531	8,108	ITE TOTAL DAILY TRIPS
Daily Trips	Daily Trips		
IN OUT	IN OUT		
3,289 3,289	766 766	-40%	Adjustment to Internalization
<u>-153</u>	-153	611	Internal Trips
-153	-153		
6,271	1,225	7,497	Total
4.6%	20.0%	7.5%	% Internal
-1,820	NA	-35.9%	Pass-by (Supermarket)
-85	-23	-1.9%	Transit/Pedestrians
4,366	1,202	5,569	Total
		-1,108	Existing Uses
		4,461	Net New External
			Vehicular Trips

Curtiss Parkway/NW 36 Street Traffic Study

Alternative 3 - 318 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket

Residential Condominium		
Land Use 230		
318 Dus		
1,716		
rips		
OUT		
858		
38%		
326		
_		

Balanced Internalization Demand - AADT

Curtiss Parkway/NW 36 Street Traffic Study

Alternative 3 - 318 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket

Specialty Retail	Residential		
Specialty Retail	Condominium		
Land Use 814	Land Use 230		
28,456 SF GLA	318 Dus		
Supermarket			
Land Use 850			
52,000 SF GLA			
6,577	1,716	8,293	ITE TOTAL DAILY TRIPS
Daily Trips	Daily Trips		
IN OUT	IN OUT		
3,289 3,289	858 858	-40%	Adjustment to Internalization
-171	-171	685	Internal Trips
-171	-171		
6,234	1,373	7,608	Total
5.2%	20.0%	8.3%	% Internal
-1,810	NA	-35.9%	Pass-by (Supermarket)
-84	-26	-1.9%	Transit/Pedestrians
4 244	4 240	F C00	Total
4,341	1,348	5,688	Total
		-1,108	Existing Uses
		4,580	Net New External
			Vehicular Trips

Curtiss Parkway/NW 36 Street Traffic Study

Alternative 4 - 358 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket

Specialty Retail		Residential Condominiun		
Land Use 814		Land Use 230		
28,456	SF GLA		358 Dus	
Superr	narket			
Land U	se 850			
52,000	SF GLA			
6,5	77		1,898 Daily Trips	
Daily	Trips			
IN	OUT		IN	OUT
3,289	3,289		949	949
	9%		33%	
	296	296	313	
11%				38%
362		361		361

Balanced Internalization Demand - AADT

Curtiss Parkway/NW 36 Street Traffic Study

Alternative 4 - 358 DUs of Condominium; 28,456 SF of Retail & 52,000 SF Supermarket

Specialty Retail	Residential		
opeoidity Notain	Condominium		
Land Use 814	Land Use 230		
28,456 SF GLA	358 Dus		
Supermarket			
Land Use 850			
52,000 SF GLA			
6,577	1,898	8,475	ITE TOTAL DAILY TRIPS
Daily Trips	Daily Trips		
IN OUT	IN OUT		
3,289 3,289	949 949	-40%	Adjustment to Internalization
<u>-179</u>	-179	716	Internal Trips
-179	-179		
6,219	1,540	7,759	Total
5.4%	18.9%	8.5%	% Internal
-1,805	NA	-35.9%	Pass-by (Supermarket)
-84	-29	-1.9%	Transit/Pedestrians
4,330	1,511	5,841	Total
,	,-	-1,108	Existing Uses
		4,733	Net New External
		1,100	Vehicular Trips