

TRAFFIC ANALYSIS
FOR
Indian River Drive LUPA

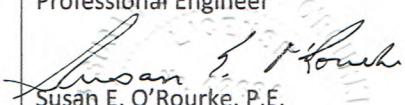
Prepared for:

Michael Abinanti
266 Park Drive
Palantine, IL 60067

Prepared by

Susan E. O'Rourke, P.E., Inc.
969 SE Federal Highway, Suite 402
Stuart, Florida 34994
772-781-7918

SR15013.0

Prepared by: Susan E. O'Rourke, P.E., Inc. Certificate of Authorization: #26869 969 SE Federal Highway, Suite 402 Stuart, Florida 34994 772-781-7918	Professional Engineer  Susan E. O'Rourke, P.E. Date signed and sealed: 4/29/15 License #: 42684
---	---

969 SE Federal Highway
Suite 402
Stuart, FL 34994

772.781.7918

SEORourke@comcast.net

SUSAN E. O'ROURKE, P.E., Inc.

Traffic Engineering, Transportation Planning

April 29, 2015

Mr. Michael Abinanti
266 Park Drive
Palantine, IL 60067

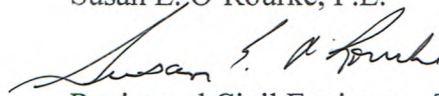
Re: Indian River Drive, 8 lots LUPA

Dear Mr. Abinanti:

Susan E. O'Rourke, P.E., Inc. has completed the analysis of the proposed land use plan amendment from OP to CBD. The land use amendment affects 8 lots with a total of 3.87 acres east of Indian River Drive in Fort Pierce, Florida. The steps in the analysis and the ensuing results are presented herein.

It has been a pleasure working with you. If you have any questions or comments, please give me a call.

Respectfully submitted,
Susan E. O'Rourke, P.E.



Registered Civil Engineer – Traffic

C 5.s.Indian River Drive 8lots report 4 18 15

969 SE Federal Highway
Suite 402
Stuart, FL 34994

772.781.7918

SEORourke@comcast.net

TABLE OF CONTENTS

INTRODUCTION	1
PROJECT DESCRIPTION	1
TRIP GENERATION	3
LANE GEOMETRICS	3
PROJECT ASSIGNMENT	3
FUTURE TRAFFIC - 2020	7
FUTURE TRAFFIC - 2035	7
CONCLUSION	7

TABLES

TABLE 1: Trip Generation- Existing Future Land Use	4
TABLE 2: Trip Generation – Proposed Future Land Use	4
TABLE 3: Net Trips	4
TABLE 4: Project % Impact	6
TABLE 5: Link Analysis 2020	8
TABLE 6: Link Analysis 2035	9

FIGURES

FIGURE 1: Project Location	2
FIGURE 2: Project Percent Assignment	5

APPENDIX

APPENDIX A: Traffic Counts and Level of Service Report Fall 2014 and 2013 Growth Rate Calculation	
APPENDIX B 2035 Traffic Volumes and Roadway Network Data	

INTRODUCTION

Susan E. O'Rourke, P.E., Inc. was retained to prepare a traffic analysis for the proposed land use amendment of 3.87 acres of land with a land use category of OP Professional and business office. The proposal is to change the land use to CBD which is Central Business District. The purpose of this report is to determine the impact on the surrounding roadway system associated with the change in land use. The following analytical steps were taken:

- ♦summary of the project description; existing land use and proposed land use,
- ♦summary of existing lane geometrics,
- ♦assessment of the change in trip generation
- ♦summary of 2020 traffic volumes
- ♦summary of 2035 traffic volumes

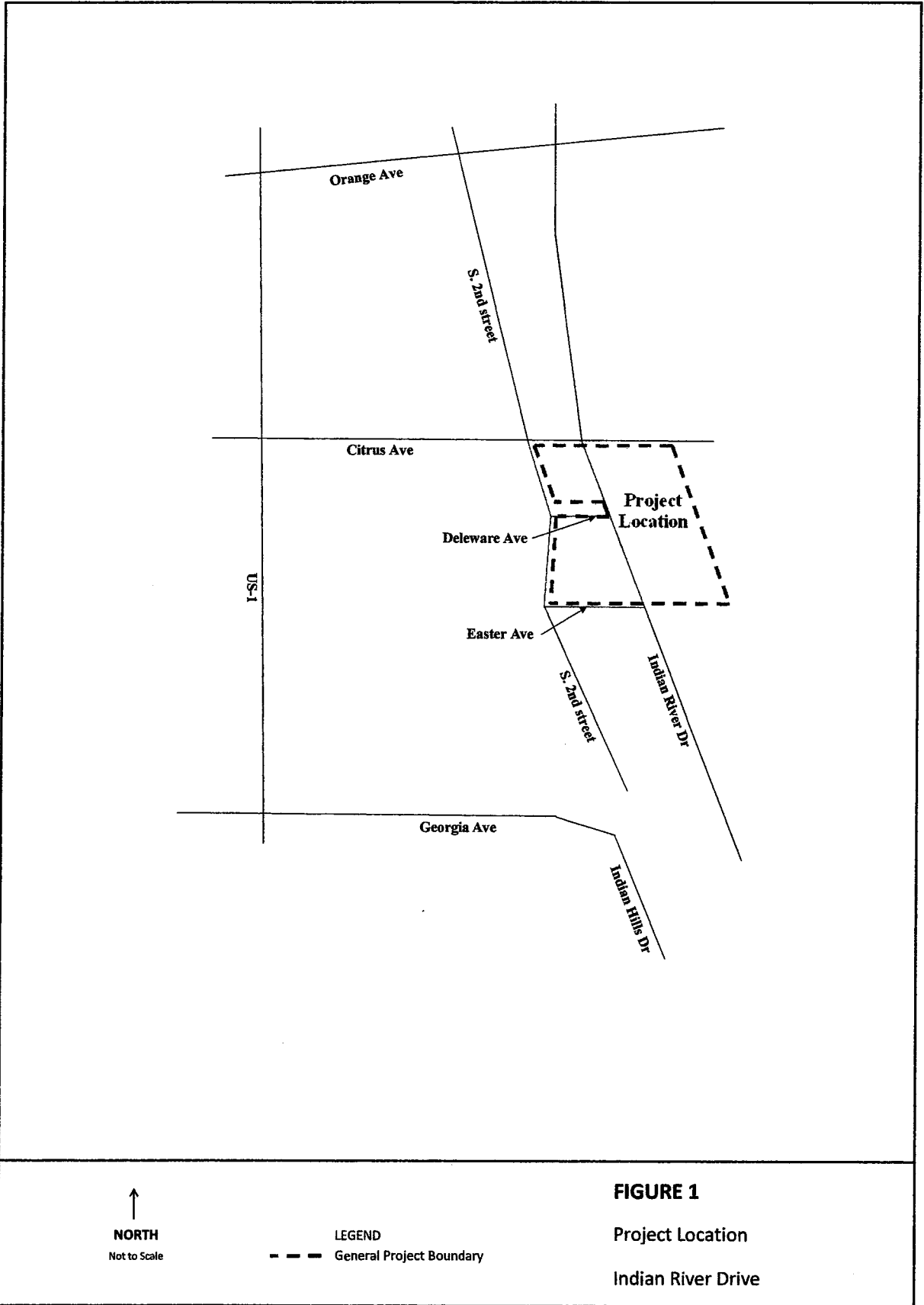
Each of these steps is outlined herein.

PROJECT DESCRIPTION

The proposed land use amendment involves 8 parcels of land located south of Citrus Avenue, North of Easter Avenue, east of 2nd Street to the Indian River. **Figure 1** shows the project's location.

The existing land use designation for the site is OP. OP allows for up to 20% of the land to be residential and an FAR (floor area ratio) of 1.0 for the site. The worst case would be to have all non-residential. Professional office of 168,577 square feet was assumed. The proposal is to change the land use to CBD. CBD allows all the land to be used as high density residential but a minimum of 25% of square footage must be residential. An FAR of 3.0 is allowed. However, given the proximity to the River and the constraints of parking and other site restrictions, it is unlikely that an FAR of 3.0 would be achieved. Therefore, a 2.0 FAR was used for this analysis. 252,866 square feet of professional office and 56 multi family dwelling units were assumed.

The analysis of the project impacts in the five year period and the long range scenario, 2035 are discussed herein.



TRIP GENERATION

To estimate the trips generated by the existing future land use 168,577 square feet of office were assumed. ITE 9th edition, Land Use code 710 was applied to estimate the trips associated with the project. The trip generation for the land use under the existing future land use category is shown in **Table 1**.

For the proposed future land use, 56 multi- family units were assumed with 252,866 square feet of office on site. **Table 2** summarizes the trip generation associated with the proposed future land use.

The change in land use is the subject of the land use plan amendment. As shown in **Table 3**, there will be an increase of 3,033 daily trips, 137 AM peak hour trips and 125 PM peak hour trips.

LANE GEOMETRICS

The study area was reviewed to determine the existing number and type of lanes along the roadway. Each roadway is described below.

Indian River Drive is a two lane arterial with a north/ south alignment.

Citrus Avenue is a four lane divided east/west arterial.

2nd Street is a two lane collector with a north/south alignment.

US 1 is a four lane divided major arterial with a north/south alignment.

PROJECT ASSIGNMENT

The project traffic was distributed by general geographic direction and then assigned to the roadway network. This general distribution led to an assignment of trips based on the anticipated ultimate destinations and the roadway paths used to reach those destinations.

The project percent assignment is shown in **Figure 2**.

Table 4 shows the project percent impact on the study area network.

Table 1: Trip Generation- Existing Future Land Use

DAILY					
Description	Land Use Code	Quantity	Daily Equation	Daily Trips	Net Trips
Office	710	168,577	$T = 32.2(X)$	5445	5445
Total		168,577		5445	5445

AM

Description	Land Use Code	Quantity	AM Equation	AM Trips	% In	% Out	AM In	AM Out	Internal %	Net Trips	Net In	Net out
Office	710	168,577	$L_n(t) = 0.80 + 1.57$	291	88	12	256	35	0	291	256	35
Total		168,577		291			256	35		291	256	35

PM

Description	Land Use Code	Quantity	PM Equation	PM Trips	% In	% Out	PM In	PM Out	Internal %	Net Trips	Net In	Net out
Office	710	168,577	$T = 1.12(X) + 78.45$	267	17	83	45	222	0	267	45	222
Total		168,577		267			45	222		267	45	222

Source: Trip Generation, 9th Edition

Table 2: Trip Generation- Proposed Future Land Use

DAILY					
Description	Land Use Code	Quantity	Daily Equation	Daily Trips	Net Trips
Office	710	252,866	$T = 32.2(X)$	8168	8129
Condo Units	230	56	$L_n(t) = 0.87L_n(X) + 2.46$	388	349
Total				8556	8478

AM

Description	Land Use Code	Quantity	AM Equation	AM Trips	% In	% Out	AM In	AM Out	Internal %	Net Trips	Net In	Net out
Office	710	252,866	$L_n(t) = 0.80 + 1.57$	402	88	12	354	48	0.78%	389	351	48
Condo Units	230	56	$L_n(t) = 0.80 + 0.26$	32	17	83	5	27	10%	29	5	24
Total				434			359	75		428	357	72

PM

Description	Land Use Code	Quantity	PM Equation	PM Trips	% In	% Out	PM In	PM Out	Internal %	Net Trips	Net In	Net out
Office	710	252,866	$T = 1.12(X) + 78.45$	362	17	83	61	301	1%	388	61	287
Condo Units	230	56	$L_n(t) = 0.82L_n(X) + 0.32$	37	67	33	25	12	10%	34	23	11
Total				399			86	313		392	84	308

Source: Trip Generation, 9th Edition

Table 3: Net Trips

	Existing FLU	Proposed FLU	Difference
Daily	5445	8478	3033
AM Peak Hour Trips	291	428	137
PM Peak Hour Trips	267	392	125



TABLE 4: Project Percent Impact

Segment		To	Lanes	(1) Roadway Classification	>=3% or >= 1% Adjacent Link	(2) LOS D Capacity	Project Traffic	Project % of Capacity	Project Percent Assignment
Orange Ave	7th Street	US 1	2	State Interrupted Flow Class I	NO	17700	0	0.00%	0%
	US 1 (3)	2nd Street	4LD+	State Interrupted Flow Class I	NO	39800	303	0.76%	20%
	2nd Street	Indian River Drive	4LD	State Interrupted Flow Class I	NO	39800	0	0.00%	0%
Citrus Avenue	7th Street	US 1	4LD	State Interrupted Flow Class I	NO	39800	152	0.38%	5%
	(4)US 1	2nd Street	4LD	State Interrupted Flow Class I	Yes	39800	1213	3.05%	50%
	2nd Street	Indian River Drive	4LD	State Interrupted Flow Class I	NO	39800	303	0.76%	10%
US 1	Avenue A	Orange Avenue	4LD	State Interrupted Flow Class I	NO	39800	607	1.52%	20%
	(5)Orange Ave	Citrus Avenue	4LD	State Interrupted Flow Class I	NO	39800	303	0.76%	20%
	Citrus	Delaware	4LD	State Interrupted Flow Class I	NO	39800	758	1.91%	25%
2nd Street	North	Orange Avenue	2L	Non-State Interrupted Flow ClassII	NO	13320	303	2.28%	10%
	(6)Orange Ave	Citrus Avenue	2L	Non-State Interrupted Flow ClassII	Yes	13320	607	4.55%	30%
	Citrus Ave	Easter Avenue	2L	Non-State Interrupted Flow ClassII	Yes	13320	1517	11.39%	50%
Indian River Drive	Avenue A	Orange	2L	State Interrupted Flow Class II	Yes	14800	455	3.07%	15%
	Orange Ave	Citrus Avenue	2L	State Interrupted Flow Class II	Yes	14800	455	3.07%	15%
	Citrus Ave	Easter Avenue	2L	State Interrupted Flow Class I	Yes	17700	758	4.28%	25%
	Easter Avenue	Savannah	2L	Uninterrupted Flow Highway	Yes	24200	758	3.13%	25%
	Savannah	South	2L	Uninterrupted Flow Highway	Yes	24200	607	2.51%	20%

1) St. Lucie County Comprehensive Plan Classification

Daily Trips In 1,517

2) FDOT 2012 Corresponding LOS

Daily Trips Out 1,516

3) Inbound only

1.010

4) Inbound /outbound 30% plus 20% outbound

5

5) 20% Outbound Only

Total 3033

6) 10% plus 20% Inbound Only

FUTURE TRAFFIC VOLUMES – 2020

Links where the project traffic has an impact of 3% or more were considered in the link analysis. Future traffic estimates were developed for those links. The 2013 and 2014 traffic volumes were taken from the TPO Traffic Counts and Level of Service Report Fall 2013 and 2014 to reflect existing conditions and grown to reflect the 2020 volumes before the project traffic was added. The growth rate is negative however, a 1% per year rate was used to project to 2020. The project traffic was then added to that volume to create the 2020 total traffic volumes.

Table 5 shows the link analysis for the total traffic conditions with the proposed land use plan amendment in place for 2020. As shown, all links will be operating at acceptable levels of service with the amendment in place.

Appendix A provides the TPO Traffic Counts and Level of Service Report 2013 and 2014 as well as the historic growth rate calculations.

FUTURE TRAFFIC – 2035 LINK ANALYSIS

The proposals to amend the comprehensive plan must demonstrate that the impacts created by the new project can be accommodated on the long range circulation plan that has been adopted for the existing future land use. To determine the impact created by the change in land use, the traffic volumes from the 2035 Long Range Transportation Plan were used.

Table 6 summarizes the 2035 volumes with the project traffic added. The total traffic volumes were compared to the capacity of the roadway under the 2035 conditions. As shown, all links will be operating at acceptable levels of service for the long range scenario with the amendment in place.

Appendix B contains the 2035 volumes and network data.

CONCLUSION

The proposed land use will result in an increase in trips of 3,033 daily trips.

On the links within the study area, there would be an increase in traffic associated with the land use plan amendment. However, the analysis has demonstrated that the roadway network will accommodate the change in land use.

Table 5 - Daily LINK ANALYSIS-2020

Segment	From	To	Lanes (both directions)	3% or Greater or 1% on Adjacent Link	2014 (1) Grown	Years Grown	2020 + Growth	Existing FULLA Trips	2020 Growth + Committed	LOS D Daily Capacity(FDO T Quality LOS 2012)	Project Volume	2020 Total Traffic	% Project of Capacity	Does Project Meet Concurrency?	Project Percent Assignment	LOS
Indian River Drive	Avenue A	Orange Ave	2	Yes	4680	6	4968	817	5785	14800	455	6240	3.07%	YES	15%	C
	Orange Ave	Citrus Ave	2	Yes	4524	6	4802	817	5619	14800	455	6074	3.07%	YES	15%	C
	* Citrus Ave	Easter Ave	2	Yes	4100	6	4352	1361	5713	17700	758	6472	4.28%	YES	25%	C
	* Savannah Rd	South	2	Yes	5369	7	5756	1089	6845	24200	758	6515	3.13%	YES	25%	A
Citrus Ave	US 1	2nd St	4LD	Yes	4020	6	4267	2723	6990	39800	1213	8203	3.05%	YES	50%	C
2nd Street	Orange Ave	Citrus Ave	2	Yes	2400	6	2548	1634	4181	13320	607	4788	4.55%	YES	30%	C
	Citrus Ave	Easter Ave	2	Yes	2400	6	2548	2723	5270	13320	1517	6787	11.39%	YES	50%	C

(1)St. Lucie County TPO 2014 ADT

*2014 Counts N/A on Indian River Drive south of Citrus Avenue; 2013 ADT used

Net Existing
Daily: 3033 5445
Growth 1.01

8

Table 6 - Daily LINK ANALYSIS-2035

Segment	From	To	Lanes (both directions)	3% or Greater or 1% on Adjacent Link	2035 Grown	Years Grown	2035 AADT	Existing FULLA Trips	2035 PM Growth	LOS D Daily Capacity(FDO T Quality LOS 2012)	Project Volume	2035 Total Traffic	% Project of Capacity	Does Project Meet Concurrency?	Project Percent Assignment	LOS
Indian River Drive	Avenue A	Orange Ave	2	Yes	9548	0	9548	0	9548	14800	455	10003	3.07%	YES	15%	D
	Orange Ave	Citrus Ave	2	Yes	9548	0	9548	0	9548	14800	455	10003	3.07%	YES	15%	D
	Citrus Ave	Easter Ave	2	Yes	16556	0	16556	0	16556	17700	758	17314	4.28%	YES	25%	D
	Savannah Rd	South	2	Yes	16556	0	16556	0	16556	24200	758	17314	3.13%	YES	25%	D
Citrus Ave	Savannah Rd	South	2	Yes	15506	0	15506	0	15506	24200	607	16113	2.51%	YES	20%	C
	US 1	2nd St	4LD	Yes	5108	0	5108	0	5108	39800	1213	6321	3.05%	YES	50%	C
2nd Street (1)	Orange Ave	Citrus Ave	2	Yes	2814	0	2814	0	2814	13320	607	3421	4.55%	YES	30%	C
	Citrus Ave	Easter Ave	2	Yes	2814	0	2814	0	2814	13320	1517	4331	11.39%	YES	50%	C

2035 Traffic Volumes

Note: The Future Volumes assume EFLU volumes are included.

(1) 2035 Volume

Estimated based on

2014 Volume grown to

2035 w/ 1% growth

Net Existing
Daily: 3033 5445

APPENDIX A

2013 and 2014 Traffic Counts and Level of Service Report Fall Growth Rate Calculation

Traffic Counts and Level of Service Report Fall 2013

Roadway Name	Location	AADT	Peak Hr Service Capacity	AMPM Traffic Data		PM Peak Traffic Data	
				Volume	LOS	Volume	V/C
GLADES CUT-OFF RD	RANGE LINE RD to 0.6 MILE EAST OF RESERVE BL...	1,800	1,120	135	B	153	0.321
GLADES CUT-OFF RD	RESERVE BLVD to COMMERCE CENTER DR	2,900	1,120	393	B	341	0.936
GLADES CUT-OFF RD	MARTIN COUNTY LINE to RANGE LINE RD	1,800	430	135	B	153	0.563
GLADES CUT-OFF RD	COMMERCE CENTER DR to MIDWAY RD	1,783	830	135	B	123	0.281
GLADES CUT-OFF RD	MIDWAY RD to JENKINS RD	6,000	830	401	B	358	0.835
GLADES CUT-OFF RD	JENKINS RD to SELVITZ RD	4,800	830	294	B	266	0.613
GRAHAM RD	KINGS HWY to JENKINS RD	2,800	460	219	B	175	0.811
GREEN RIVER PKWY	BERKSHIRE BLVD to MARIPOSA AVE	3,451	1,140	240	B	219	0.600
GREEN RIVER PKWY	MARIPOSA AVE to MELALEUCA	3,451	1,140	240	B	219	0.600
GREEN RIVER PKWY	MELALEUCA to WALTON RD	3,451	1,140	240	B	219	0.600
HARTMAN RD	OKEECHOBEE RD to PETERSON RD	4,800	790	302	B	297	0.657
HARTMAN RD	PETERSON RD to DELAWARE AVE	4,800	630	302	B	297	0.816
HARTMAN RD	DELAWARE AVE to ORANGE AVE	4,800	770	302	C	297	0.570
HEADER CANAL RD	OKEECHOBEE RD to ORANGE AVE	447	740	32	B	29	0.133
HILLMOOR DR	TIFFANY AVE to LENNARD RD	3,600	600	229	B	269	0.654
INDIAN RIVER DR	MARTIN COUNTY LINE to WALTON RD	5,400	1,140	326	B	357	0.815
INDIAN RIVER DR	WALTON RD to MIDWAY RD	3,800	1,140	297	B	298	0.743
INDIAN RIVER DR	MIDWAY RD to SAVANNAH RD	5,369	1,140	465	C	484	0.581
INDIAN RIVER DR	SAVANNAH RD to CITRUS AVE	4,100	1,140	366	B	383	0.915
INDIAN RIVER DR	CITRUS AVE to ORANGE AVE	4,423	730	263	C	301	0.526
INDIAN RIVER DR	ORANGE AVE to AVENUE A	4,639	790	271	B	264	0.589
INDIAN RIVER DR	AVENUE D to SEAWAY DR	5,876	600	343	D	404	0.572
INDIAN RIVER DR	AVENUE A to AVENUE D	5,876	630	343	B	404	0.927
INDRIO RD	3 MILES WEST OF I-95 to INTERSTATE 95 - WEST...	1,318	1,120	96	B	104	0.229
INDRIO RD	INTERSTATE 95 - WEST RAMPS to INTERSTATE 95 ...	1,318	3,130	96	B	104	0.057
INDRIO RD	INTERSTATE 95 - EAST RAMPS to KOBLEGARD RD	10,129	3,130	579	B	609	0.347
INDRIO RD	KOBLEGARD RD to JOHNSTON RD	10,129	640	579	C	609	0.965
INDRIO RD	JOHNSTON RD to EMERSON RD	10,129	800	579	C	609	0.772
INDRIO RD	EMERSON RD to KINGS HWY	9,745	840	587	C	494	0.743

* Volumes shown were adjusted using FDOT Seasonal Factors

* AADT = Annual Average Daily Traffic

Traffic Counts and Level of Service Report Fall 2014

Roadway Name	Location	AADT	Pk Hr Service Capacity	AM Pk Hr Pk Dir		PM Pk Hr Pk Dir	
				Volume	LOS	Volume	LOS
2ND ST	CITRUS AVE to ORANGE AVE	2,400	510	211	C	173	C
2ND ST	ORANGE AVE to AVENUE A	2,000	510	122	C	123	C
7TH ST	SUNRISE BLVD to GEORGIA AVE	584	510	41	C	41	C
7TH ST	GEORGIA AVE to DELAWARE AVE	1,209	710	72	C	85	C
7TH ST	DELAWARE AVE to CITRUS AVE	2,168	710	118	C	116	C
7TH ST	CITRUS AVE to ORANGE AVE	2,168	640	118	C	116	C
7TH ST	ORANGE AVE to AVENUE C	3,700	640	194	C	202	C
7TH ST	AVENUE C to AE BACKUS AVE	3,700	510	194	C	202	C
7TH ST	AE BACKUS AVE to AVENUE D	3,700	640	194	C	202	C
7TH ST	AVENUE D to AVENUE H	1,700	640	108	C	107	C
10TH ST	DELAWARE AVE to ORANGE AVE	150	510	11	C	14	C
10TH ST	ORANGE AVE to AVENUE C	150	510	11	C	14	C
10TH ST	AVENUE C to AVENUE D	150	510	11	C	14	C
13TH ST	VIRGINIA AVE to NEBRASKA AVE	6,937	640	405	D	367	D
13TH ST	NEBRASKA AVE to GEORGIA AVE	6,937	710	405	D	367	D
13TH ST	GEORGIA AVE to DELAWARE AVE	5,100	640	269	C	269	C
13TH ST	DELAWARE AVE to ORANGE AVE	4,400	640	315	C	308	C
13TH ST	ORANGE AVE to AVENUE B	3,400	640	190	C	191	C
13TH ST	AVENUE B to AVENUE D	3,400	640	190	C	191	C
13TH ST	AVENUE D to AVENUE H	3,600	640	204	C	194	C
13TH ST	AVENUE H to AVENUE I	3,600	510	204	C	194	C
13TH ST	AVENUE I to AVENUE O	3,600	510	204	C	194	C
13TH ST	AVENUE O to AVENUE Q	3,600	510	204	C	194	C
17TH ST	GEORGIA AVE to DELAWARE AVE	2,533	510	139	C	133	C
17TH ST	DELAWARE AVE to ORANGE AVE	6,500	710	305	C	297	C
17TH ST	ORANGE AVE to AVENUE D	3,367	640	168	C	166	C
17TH ST	AVENUE D to AVENUE Q	3,367	640	168	C	166	C
25TH ST	MIDWAY RD to BELL AVE	16,311	2,100	1,169	C	1,090	C

* Volumes shown were adjusted using FDOT Seasonal Factors

* AADT = Annual Average Daily Traffic



Traffic Counts and Level of Service Report Fall 2014

Roadway Name	Location	AADT	PK Hr Service Capacity	AM PK Hr PK Dir		PM PK Hr PK Dir	
				Volume	LOS	Volume	LOS
CAMEO BLVD	PORT ST LUCIE BLVD to CALIFORNIA BLVD	4,600	640	299	C	286	C
CAMEO BLVD	CALIFORNIA BLVD to CROSSTOWN PKWY	7,633	710	528	D	448	D
CAMPBELL RD	PICOS RD to ORANGE AVE	600	510	44	C	39	C
CANE SLOUGH RD	US 1 to LENNARD RD	9,178	1,540	510	C	528	C
CITRUS AVE	7TH ST to US 1	900	680	129	C	129	C
CITRUS AVE	US 1 to 2ND ST	4,020	710	239	C	244	C
CITRUS AVE	2ND ST to INDIAN RIVER DR	3,050	510	166	C	172	C
COMMUNITY BLVD	WESTCLIFFE LN to TRADITION PKWY	3,300	1,470	233	C	209	C
COMMERCE CENTER DR	CROSSTOWN PKWY to ST LUCIE WEST BLVD	2,600	1,540	162	C	143	C
COMMERCE CENTER DR	ST LUCIE WEST BLVD to GLADES CUT-OFF RD	4,400	510	233	C	261	D
CORTEZ BLVD	35TH ST to 25TH ST	4,300	640	0	B	0	B
CORTEZ BLVD	25TH ST to SUNRISE BLVD	2,400	640	159	C	148	C
COUNTRY CLUB DR	ST LUCIE WEST BLVD to CALIFORNIA BLVD	6,000	1,540	336	C	318	C
CROSSTOWN PKWY	COMMERCE CENTER DR to I-95	10,167	2,850	589	C	559	C
CROSSTOWN PKWY	I-95 to CALIFORNIA BLVD	14,333	2,850	899	C	868	C
CROSSTOWN PKWY	CALIFORNIA BLVD to CASHMERE BLVD	12,667	2,850	692	C	620	C
CROSSTOWN PKWY	CASHMERE BLVD to CAMEO BLVD	14,500	2,850	743	C	677	C
CROSSTOWN PKWY	CAMEO BLVD to BAYSHORE BLVD	16,667	2,850	779	C	792	C
CROSSTOWN PKWY	BAYSHORE BLVD to AIROSO BLVD	10,500	2,850	550	C	533	C
CROSSTOWN PKWY	AIROSO BLVD to SANDIA DR	7,233	2,850	410	C	406	C
CROSSTOWN PKWY	SANDIA DR to MANTH LN	5,333	830	269	C	292	C
CROSSTOWN PKWY	MANTH LN to FLORESTA DR	4,567	510	259	D	242	C
CROSSROADS PKWY	OKEECHOBEE RD to KINGS HWY	1,300	710	81	C	74	C
DARWIN BLVD	BECKER RD to PAAR DR	5,080	590	462	C	407	C
DARWIN BLVD	PAAR DR to TULIP BLVD	5,080	830	462	C	407	C
DARWIN BLVD	TULIP BLVD to PORT ST LUCIE BLVD	13,000	830	653	C	667	C
DEL RIO BLVD	PORT ST LUCIE BLVD to CALIFORNIA BLVD	10,000	830	605	C	544	C
DEL RIO BLVD	CALIFORNIA BLVD to CASHMERE BLVD	3,567	750	202	C	218	C
DEL RIO BLVD	CASHMERE BLVD to CALIFORNIA BLVD	4,300	750	237	C	277	C

* Volumes shown were adjusted using FDOT Seasonal Factors

* AADT = Annual Average Daily Traffic

Traffic Counts and Level of Service Report Fall 2014

Roadway Name	Location	AADT	IPHP Service Capacity	AMPH-H-PRD			PMHP-H-PRD		
				Volume	LOS	V/C	Volume	LOS	V/C
I-95	DRANGE AVE to INDRID RD	40,869	7,320	1,966	B	0.437	1,809	B	0.402
INDIAN RIVER DR	CITRUS AVE to DRANGE AVE	4,524	640	269	C	0.841	308	C	0.963
INDIAN RIVER DR	DRANGE AVE to AVENUE A	4,680	640	273	C	0.853	266	C	0.831
INDIAN RIVER DR	AVENUE D to SEAWAY DR	5,792	710	338	C	0.966	398	D	0.561
INDIAN RIVER DR	AVENUE A to AVENUE D	5,792	510	338	D	0.663	398	D	0.780
INDRID RD	PRIVATE RD to I-95 W RAMP	1,056	810	77	B	0.257	83	B	0.277
INDRID RD	I-95 W RAMP to I-95 E RAMP	1,056	3,240	77	B	0.043	83	B	0.046
INDRID RD	I-95 E RAMP to KOBLEGARD RD	9,713	3,240	555	B	0.307	584	B	0.323
INDRID RD	KOBLEGARD RD to JOHNSTON RD	9,713	660	555	C	0.895	584	C	0.942
INDRID RD	JOHNSTON RD to EMERSON AVE	9,713	840	555	C	0.703	584	C	0.739
INDRID RD	EMERSON RD to SEMINDLE RD	9,247	920	557	C	0.640	469	C	0.539
INDRID RD	SEMINDLE RD to KINGS HWY	9,247	790	557	D	0.705	469	D	0.594
INDRID RD	KINGS HWY to SLASH PINE TRL	5,525	710	377	D	0.531	357	D	0.503
INDRID RD	SLASH PINE TRL to US 1	5,525	830	377	C	0.483	357	C	0.458
INDRID RD	US 1 to DLD DIXIE HWY	900	640	61	C	0.191	76	C	0.238
JENNINGS RD	US 1 to LENNARD RD	3,833	1,890	308	C	0.171	221	C	0.123
JENKINS RD	EDWARDS RD to DKEECHDBEE RD	7,179	750	360	C	0.507	367	C	0.517
JENKINS RD	DKEECHDBEE RD to GRAHAM RD	9,848	830	592	C	0.759	521	C	0.668
JENKINS RD	GRAHAM RD to PETERSDN RD	9,848	590	592	F	1.003	521	C	0.930
JENKINS RD	PETERSDN RD to ORANGE AVE	9,848	830	592	C	0.759	521	C	0.668
JOHNSTON RD	ANGLE RD to L20	2,100	800	151	B	0.539	122	B	0.436
JOHNSTON RD	L20 to MEADDWDOD DR	1,800	1,020	123	B	0.342	116	B	0.322
JOHNSTON RD	MEADDWDOD DR to DLD JOHNSTON RD	1,800	800	123	B	0.439	116	B	0.414
JOHNSTON RD	DLD JOHNSTON RD to INDRID RD	1,800	800	123	B	0.439	116	B	0.414
JOHNSTON RD	INDRID RD to RUSSOS RD	6,674	800	428	C	0.751	432	C	0.758
JOHNSTON RD	RUSSOS RD to INDIAN RIVER C.L.	6,674	800	428	C	0.751	432	C	0.758
JUANITA AVE	53RD ST to 25TH ST	2,200	640	127	C	0.397	135	C	0.422
JUANITA AVE	25TH ST to US 1	3,300	640	223	C	0.697	202	C	0.631
KEEN RD	ANGLE RD to JUANITA AVE	2,566	590	220	C	0.393	225	C	0.402

* Volumes shown were adjusted using FDDT Seasonal Factors

* AADT = Annual Average Daily Traffic

Traffic Counts and Level of Service Report Fall 2014

Roadway Name	Location	AADT	PK Hr Service Capacity	AM PK Hr PK Dir		PM PK Hr PK Dir	
				Volume	V/C	Volume	V/C
ORANGE AVE	KINGS HWY to I-95	18,209	0	784	0.390	790	0.393
ORANGE AVE	I-95 to JENKINS RD	13,335	0	916	0.456	861	0.428
ORANGE AVE	JENKINS RD to HARTMAN RD	12,597	0	678	0.337	631	0.314
ORANGE AVE	HARTMAN RD to ANGLE RD	12,597	0	678	0.337	631	0.314
ORANGE AVE	ANGLE RD to 25TH ST	12,251	1,710	965	0.564	1,123	0.657
ORANGE AVE	25TH ST to 17TH ST	13,066	1,630	683	0.936	749	0.460
ORANGE AVE	17TH ST to 13TH ST	13,066	1,710	683	0.887	749	0.973
ORANGE AVE	13TH ST to 10TH ST	13,066	350	683	0.962	749	0.986
ORANGE AVE	10TH ST to 7TH ST	7,816	280	395	0.705	454	0.811
ORANGE AVE	7TH ST to US 1	6,904	280	440	0.786	391	0.698
ORANGE AVE	US 1 to 2ND ST	3,109	250	198	0.792	193	0.772
ORANGE AVE	2ND ST to INDIAN RIVER DR	3,109	320	198	0.619	193	0.603
PARR DR	PORT ST LUCIE BLVD to DARWIN BLVD	927	590	69	0.123	66	0.118
PARR DR	DARWIN BLVD to TULIP BLVD	1,800	510	121	0.484	110	0.440
PARR DR	SAVONA BLVD to PORT ST LUCIE BLVD	927	590	69	0.123	66	0.118
PARR DR	ROSSER BLVD to SAVONA BLVD	927	590	69	0.123	66	0.118
PEACOCK BLVD	CALIFORNIA BLVD to CASHMERE BLVD	3,300	590	280	0.500	236	0.421
PEACOCK BLVD	UNIVERSITY BLVD to CALIFORNIA BLVD	7,867	830	609	0.781	502	0.644
PEACOCK BLVD	ST LUCIE WEST BLVD to UNIVERSITY BLVD	18,400	1,890	0	0.000	0	0.000
PETERSON RD	BENT CREEK DR to HARTMAN RD	1,400	510	102	0.408	132	0.528
PICOS RD	CAMPBELL RD to KINGS HWY	1,400	510	99	0.396	93	0.372
PORT ST LUCIE BLVD	MARTIN C.L. to BECKER RD	9,300	830	0	0.000	0	0.000
PORT ST LUCIE BLVD	BECKER RD to PAAR DR	9,300	830	0	0.000	0	0.000
PORT ST LUCIE BLVD	PAAR DR to TULIP BLVD	9,300	590	0	0.000	0	0.000
PORT ST LUCIE BLVD	TULIP BLVD to DARWIN BLVD	9,300	830	0	0.000	0	0.000
PORT ST LUCIE BLVD	DARWIN BLVD to GATLIN BLVD	29,000	2,720	1,703	0.643	1,507	0.569
PORT ST LUCIE BLVD	GATLIN BLVD to DEL RIO BLVD	38,500	2,850	2,395	0.862	2,128	0.765
PORT ST LUCIE BLVD	DEL RIO BLVD to CAMEO BLVD	48,065	2,850	3,214	1.128	2,917	1.024
PORT ST LUCIE BLVD	CAMEO BLVD to FLORIDA'S TURNPIKE	48,065	2,720	3,214	1.182	2,917	1.072

* Volumes shown were adjusted using FDOT Seasonal Factors

* AADT = Annual Average Daily Traffic

Traffic Counts and Level of Service Report Fall 2014

Roadway Name	Location	AADT	PK/HR Service Capacity	AM PK Hr PK Dir		PM PK Hr PK Dir	
				Volume	V/C	Volume	V/C
US 1	S OF SAEGER AVE to EASY ST	30,989	3,170	1,515	C	1,372	C
US 1	EASY ST to MIDWAY RD	29,394	3,170	1,370	C	1,332	C
US 1	MIDWAY RD to WEATHERBEE RD	29,824	2,100	1,401	C	1,418	C
US 1	WEATHERBEE RD to FARMER'S MARKET RD	29,824	2,000	1,401	C	1,418	C
US 1	FARMER'S MARKET RD to EDWARDS RD	29,824	2,000	1,401	C	1,418	C
US 1	EDWARDS RD to SAVANNAH RD	30,490	2,000	1,397	C	1,370	C
US 1	GARDENIA AVE to VIRGINIA AVE	30,490	2,000	1,397	C	1,370	C
US 1	SAVANNAH RD to GARDENIA AVE	30,490	2,000	1,397	C	1,370	C
US 1	VIRGINIA AVE to OHIO AVE	27,870	2,000	1,342	C	1,352	C
US 1	OHIO AVE to GEORGIA AVE	27,870	1,630	1,342	D	1,352	D
US 1	GEORGIA AVE to DELAWARE AVE	24,720	1,630	1,275	D	1,218	D
US 1	DELAWARE AVE to CITRUS AVE	25,675	1,630	1,301	D	1,267	D
US 1	CITRUS AVE to ORANGE AVE	24,421	1,630	1,216	D	1,096	D
US 1	ORANGE AVE to AVENUE A	25,675	1,630	1,301	D	1,267	D
US 1	AVENUE A to AE BACKUS AVE	25,675	1,630	1,301	D	1,267	D
US 1	AE BACKUS AVE to AVENUE D	25,675	1,630	1,301	D	1,267	D
US 1	AVENUE D to SR A1A SOUTH	25,675	1,630	1,301	D	1,267	D
US 1	SR A1A SOUTH to AVENUE H	28,000	2,100	1,496	C	1,378	C
US 1	AVENUE H to OLD DIXIE HWY	28,000	2,000	1,496	C	1,378	C
US 1	OLD DIXIE HWY to AVENUE O	23,190	2,000	1,610	C	1,258	C
US 1	AVENUE O to SR A1A NORTH	23,190	2,100	1,610	C	1,258	C
US 1	SR A1A NORTH to JUANITA AVE	15,177	2,100	911	C	729	C
US 1	JUANITA AVE to ST LUCIE BLVD	15,177	2,100	911	C	729	C
US 1	ST LUCIE BLVD to 25TH ST	15,795	2,100	940	C	902	C
US 1	25TH ST to INDRIO RD	15,795	2,100	940	C	902	C
US 1	INDRIO RD to TURNPIKE FEEDER RD	18,319	2,100	997	C	991	C
US 1	TURNPIKE FEEDER RD to INDIAN RIVER C.L.	18,319	2,100	997	C	991	C
VETERANS MEMORIAL PKWY	PORT ST LUCIE BLVD to LYNNGATE DR	16,500	1,890	1,080	C	1,027	C
VETERANS MEMORIAL PKWY	LYNNGATE DR to US 1	13,500	1,890	804	C	780	C

* Volumes shown were adjusted using FDOT Seasonal Factors

* AADT = Annual Average Daily Traffic

Historical Growth Calculation

Roadway	From	To	2008	2013	Growth
Indian River Drive	Savannah	Citrus	4720	4100	0.87
	Citrus	Orange	5333	4423	0.83
	Orange	Ave A	5102	4639	0.91
Orange Ave	25th St	US 1	7514	7175	0.95
US 1	Delaware	Citrus	31419	27451	0.87
	Citrus	Orange	29995	22239	0.74
Citrus	US 1	2nd St	5607	3237	0.58
Total			91698	75277	0.82
					-1.04

APPENDIX B
2035 Traffic Volumes and Roadway Network Data

