



SR 400 (I-4) Project Development and Environment (PD&E) Study  
FM No.: 432100-1-22-01



## Lighting Justification Report

Segments 3 & 4: East of SR 434 to  
East of SR 472 (Seminole County:  
Section 77160 - MP 4.050 to MP 14.135 &  
Volusia County: Section 79110 - MP 0.000 to  
MP 10.227)

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## 1.0 Summary

The Florida Department of Transportation (FDOT) has contracted with HNTB Corporation to reevaluate the Project Development and Environment (PD&E) studies for the extension of express lanes for State Road 400 (SR 400)/Interstate 4 (I-4): Section 1, from Polk County Line to SR 528 and Section 2, from SR 528 to SR 472.

*HNTB Corporation* conducted a Lighting Justification Study for SR 400/I-4 from east of SR 434 in Seminole County to east of SR 472 in Volusia County, Florida. Based on the results of the analysis, field reviews and engineering judgment, the following recommendations and conclusions were developed:

The analysis of traffic volumes, interchange spacing, land development, existing lighting and local area conditions shows that at least three of four lighting warrant conditions are met for the I-4 segments evaluated. The night-to-day crash rates for the study corridor exceed 2.0 times the statewide average crash rate. Additionally, continuous lighting is currently provided along SR 400 from the Lake Mary Boulevard interchange to north of SR 46. Other segments of the PD&E study, south of the I-4 Ultimate project, were also identified for meeting lighting justification warrants. Based on the warrants criteria and to maintain continuity throughout the overall I-4 corridor, continuous roadway lighting is recommended for I-4, Segments 3 and 4, from east of SR 434 to east of SR 472.

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## 2.0 Introduction

FDOT is proposing to reconstruct and widen I-4 as part of the I-4 Ultimate concept. This involves the build-out of I-4 to its ultimate condition through Central Florida, including segments in Polk, Osceola, Orange, Seminole, and Volusia Counties. The concept design proposes the addition of two (2) new express lanes in each direction, resulting in the widening of the existing six lane divided urban interstate to a ten lane divided highway.

The SR 400 (I-4) Project Development and Environment (PD&E) Study is a reevaluation project which addresses the revision from the original design concept showing two (2) High Occupancy Vehicle (HOV) lanes, as recommended in the Environmental Impact Statement (EIS) for I-4 from SR 528 to SR 472, to the current proposed design concept of four (4) Express Lanes. The Express Lanes are tolled lanes and will extend the full length of the project. The proposed typical section will include three general use lanes, two express lanes, an auxiliary lane (in some areas) and shoulder in each direction. The express lanes and general use lanes will be separated by two 10- or 12-foot shoulders, with a barrier wall in between the shoulders.

The SR 400 (I-4) PD&E project limits include a total of approximately 41 miles of roadway sections east and west of the 21-mile, I-4 Ultimate project. The approximate limits of improvement for the west section are from US 27 in Polk County to west of SR 435 (Kirkman Road) in Orange County and for the east section, from east of SR 434 in Seminole County to east of SR 472 in Volusia County.

As part of the SR 400 (I-4) PD&E Study, HNTB has completed an evaluation of the need for freeway lighting and interchange lighting within the following PD&E segments of I-4:

- Segment 3 - E. of SR 434 to E. of US 17/92, from Milepost 4.050 to 14.221 in Seminole County
- Segment 4 - E. of US 17/92 to E. of SR 472, from Milepost 0.000 to 10.227 in Volusia County

## 3.0 Lighting Justification Analysis

This lighting justification study is prepared in accordance with Chapter 15 (Highway Lighting Justification Procedure) of the Florida Department of Transportation's (FDOT) Manual on Uniform Traffic Studies (MUTS-2000 Edition). The general project location map is illustrated in Figure 1.

A lighting justification analysis which evaluates warranting conditions, as specified in the American Association of State Highway and Transportation Officials (AASHTO) Roadway Lighting Design Guide was prepared for the study corridor. These warrants represent guidelines for consideration of roadway lighting and do not necessarily dictate

justification. The Department should use the lighting justification warrants as a guide when considering the merits of lighting along new or existing roadways.

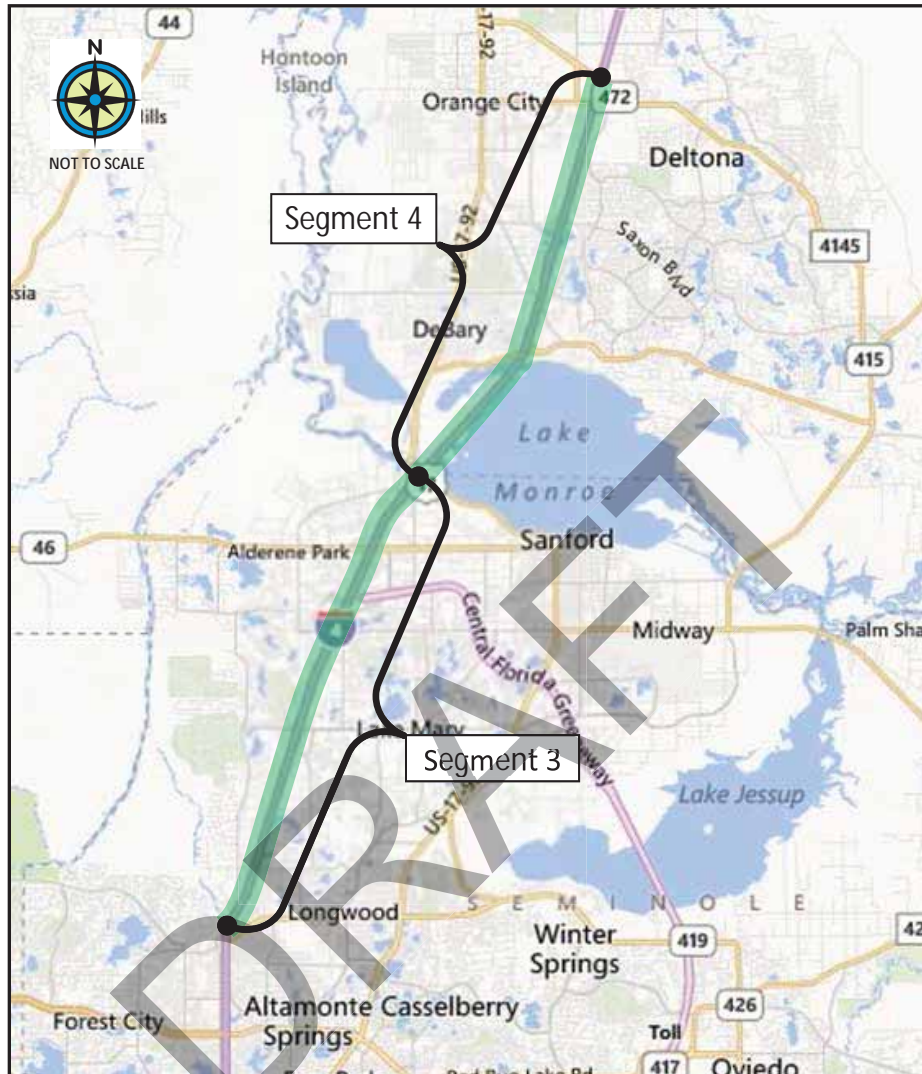


Figure 1 – Project Location Map

### 3.1 Existing Lighting

An inventory of the existing lighting along I-4 was completed by field review to identify locations where lighting currently exists. Within the east section (Segments 3 & 4), approximately 50% of the Segment 3 mainline corridor, including all interchanges (except US 17/92) and the I-4 Eastbound Rest Area at milepost 5.733, has existing lighting. Within Segment 4, the corridor does not have existing lighting along the mainline, only at the Saxon Boulevard interchange. Table 1 shows the approximate limits of the existing lighting along the I-4 study segments.

Table 1: Existing Lighting Summary

Segment Limits					Existing Lighting Limits		
Segment	Begin MP	End MP	Segment length	County	Begin MP	End MP	Length
3	4.050	14.221	10.171	Seminole	7.650	12.880	5.230
4	0.000	10.227	10.227	Volusia	5.585	6.920	1.335

### 3.2 AASHTO Warrants

AASHTO warrants provide a set of minimum conditions which must be met in order to justify lighting installation. Within the AASHTO warrants, there are separate warrants for continuous freeway lighting, complete interchange lighting and partial interchange lighting. The following is a description of the AASHTO warrants for continuous freeway lighting, as described in the Roadway Lighting Design Guide and the evaluation of each warrant for the I-4 east section.

#### Continuous Freeway Lighting

*A continuous lighting system provides relatively uniform lighting on all main lanes and direct connections, and complete interchange lighting of all interchanges within the section. Frontage roads are not normally continuously lighted. The lighting units may be conventional luminaires or high mast assemblies or both. Continuous lighting may be warranted under one of the following conditions.*

*CFL-1: Sections in and near cities where the current average daily traffic (ADT) is 30,000 or greater.*

#### Evaluation of CFL-1

The 2012 Annual Average Daily Traffic (AADT) for I-4 is available from FDOT's Florida Traffic Online database. Existing daily traffic along I-4 varies throughout the corridor, as shown in Table 2. Traffic projections for Directional Design Hour Volumes for future years 2020 (opening year) and 2040 were determined in the *I-4 SAMR Update: Design Traffic Technical Memorandum*. The future 2040 AADT is estimated to be in the range of 111,600 to nearly 154,000 vehicles per day along the I-4 segments within the limits of proposed improvements. **The existing and future AADT exceed the minimum freeway volume requirements, therefore the conditions of CFL-1 warrant are met for I-4, Segments 3 & 4.**



**Table 2: Existing and Future Traffic Volumes**

I-4 Segment	2012 AADT*	Future No Build AADT*	
		2020 AADT	2040 AADT
SR 434 to Lake Mary Boulevard	132,663	139,000	153,100
SR 46 to US 17/92	103,000	123,200	153,800
US 17/92 to Dirksen Drive	106,500	93,400	144,200
Dirksen Drive to Saxon Boulevard	93,854	102,600	122,600
Saxon Boulevard to SR 472	88,000	89,400	111,600
*Sources: FDOT Florida Traffic Online (2012) I-4 SAMR Update Design Traffic Technical Memorandum			

*CFL-2: Sections where three or more successive interchanges are located with an average spacing of 1.5 miles or less, and adjacent areas outside the right-of-way are substantially urban in character.*

**Evaluation of CFL-2**

The interchange location and spacing within the I-4 study segments were evaluated; Table 3 provides a summary of the data. There are six (6) interchanges with an average spacing of 2.1 miles within Segment 3 of the I-4 study corridor. Within Segment 4, there are four (4) interchanges with an average spacing of 3.2 miles. **Based on the number of interchanges and their average spacing, the conditions of CFL-2 warrant are not met for I-4, Segments 3 & 4.** It should be noted that the average spacing between successive interchanges was determined based on the existing interchange locations. Under future build-out conditions, the I-4 study corridor will have multiple access points between the general use and managed lanes. It is expected that some of these accesses will be at-grade access points (slip ramps) that will create additional merging, diverging and weaving areas in between successive interchanges. These locations may be similar to entrance/exit ramp areas where a greater potential for vehicle conflicts exists.

**Table 3: Existing Interchange Spacing**

I-4 Segment	Interchange Spacing (miles)	FDOT Urban Area*
Segment 3		
SR 434 – Lake Mary Boulevard	4.8	Yes
Lake Mary Boulevard – CR 46A	2.2	Yes
CR 46A – SR 417	0.7	Yes
SR 417 – SR 46	1.1	Yes
SR 46 – US 17/92	1.8	Yes
Segment 3 Average Spacing: 2.1 >1.5 miles		
Segment 4		
US 17/92 – Dirksen Drive	3.5	Yes
Dirksen Drive – Saxon Boulevard	2.8	Yes
Saxon Boulevard – SR 472	3.2	Yes
Segment 4 Average Spacing: 3.2 >1.5 miles		
*As defined in FDOT Plans Preparation Manual, Chapter 1 and Federal Highway Administration (FHWA) Urban Boundary maps.		

*CFL-3: Sections of two miles or more, passing through a substantially developed suburban or urban area in which one or more of the following conditions exist:*

- a. Local traffic operates on a complete street grid having some form of street lighting, part of which are visible from the freeway*
- b. The freeway passes through a series of developments, such as residential, commercial, industrial and civic areas, colleges, parks, terminals, etc. that include lighted roads, streets, parking areas, yards, etc. that are lighted.*
- c. Separate cross streets, both with and without connecting ramps, occur with an average spacing of 0.5 miles or less, some of which are lighted as part of the local street system.*
- d. The freeway cross section elements, such as median and borders, are substantially reduced in width below desirable section used in relatively open country.*



**Evaluation of CFL-3**

The area surrounding the I-4 corridor segments was evaluated based on the CFL-3 warrant criteria. The entire I-4 study area corridor passes through an area that is designated as a substantially developed suburban or urban area. Within I-4, Segment 4, there is 3.5-mile segment between US 17/92 and the Dirksen Drive interchange where the Interstate crosses the St. John’s River in the Lake Monroe Conservation Area Sub Basin. Local traffic conditions including the street network characteristics, types of developments, existing lighting and freeway cross section elements were reviewed for this warrant and are summarized in Table 4. **Based on the CFL-3 criteria, conditions CFL-3b and 3d are met for both Segments 3 and 4.**

**Table 4: AASHTO Warrant CFL-3 Summary**

I-4 Segment	CFL – 3a	CFL – 3b	CFL – 3c	CFL – 3d <sup>1</sup>
Segment 3: SR 434 to E. of US 17/92	x	✓	x	✓
Segment 4: E. of US 17/92 to E. of SR 472	x	✓	x	✓
✓ = condition is met X = condition not met				

<sup>1</sup> This condition is met for some portions within the segments under existing conditions. Under future conditions with construction of the managed lanes, this condition is expected to be met for both segments.

*CFL-4: Sections where the ratio of night to day crash rate is at least 2.0 times the statewide average for all unlighted similar sections, and a study indicates that lighting may be expected to result in a significant reduction in the night crash rate. Where crash data are not available, rate comparison maybe used as a general guideline for crash severity.*

**Evaluation of CFL-4**

The night to day crash rate is based on the percentage of traffic that occurs during dark hours (percent night AADT). For each segment evaluated, the hours used in determining the percent night AADT were based on the time of the year for which traffic data was available. The dark hours were typically between the hours of 8:00 p.m. to 7:00 a.m.

Day and night crash rates (in million vehicle miles) were calculated for each of the I-4 segments using the following equation:

$$\text{Crash Rate} = \frac{\text{Number of Crashes} \times 1,000,000}{\text{AADT} \times 365 \text{ days/year} \times \text{Number Years} \times \text{Segment Length}}$$

Collision data was obtained from the FDOT Crash Analysis Reporting System (CARS) for the 12 month period from January 1, 2012 to December 31, 2012. Subsequently, the night to day crash rate was calculated by dividing the nighttime crash rate by the daytime crash rate. The night to day crash rate for I-4 is shown in Table 5. Crash rate calculations and collision data are included in the Appendix.

**Table 5: Night to Day Crash Rate Summary**

I-4 Segment	Segment Limits	Night to Day Crash Rate	Statewide Average Crash Rate x 2	≥ 2.0 x Statewide Average Crash Rate <sup>1,2</sup>
Segment 3	E. of SR 434 to E. of Seminole/Volusia County Line	2.35	0.485 x 2 = 0.97	Yes
Segment 4	E. of Seminole/Volusia County Line to W. of Padgett Creek (MP 3.242)	7.00	0.379 x 2 = 0.758	Yes
Segment 4	W. of Padgett Creek to E. of SR 472	2.74	0.485 x 2 = 0.97	Yes

<sup>1</sup> Statewide Average Crash Rates (provided by FDOT Safety Office):  
 Interstate Urban = 0.485 crashes per million vehicle miles  
 Interstate Rural = 0.379 crashes per million vehicle miles

<sup>2</sup> Crash Rates provided by facility type without distinction between unlighted and lighted segments

**Lighting Justification Summary**

The AASHTO Roadway Lighting warrant criteria were evaluated for both I-4 Segments in the East Section of the I-4 PD&E; a summary of the warrants is provided in Table 6.

**Table 6: AASHTO Continuous Freeway Lighting (CFL) Warrant Summary**

I-4 Segment	CFL – 1	CFL – 2	CFL – 3	CFL – 4 <sup>1</sup>
Segment 3: E. of SR 434 to E. of US 17/92	✓	x	✓	✓
Segment 4: E. of US 17/92 to E. of SR 472	✓	x	✓	✓
✓ = warrant is met X = warrant not met				

<sup>1</sup> Crash Rates used to evaluate this warrant were provided by FDOT Safety Office for each facility type without distinction between unlighted and lighted segments

Locations where lighting currently exists along I-4 were previously identified in Table 1. Within the 10.17-mile Segment 3, approximately half the corridor (4.94 miles) is presently unlit, however all interchanges have lighting with the exception of US 17/92. Within the 10.23-mile Segment 4, the majority of the segment (8.81 miles) is unlit including three of

the four interchanges. Within Segment 4, interchange lighting is provided only at Saxon Boulevard.

The AASHTO Roadway Lighting warrant criteria to justify Continuous Freeway Lighting require only one of four conditions to be met. The preceding analysis of traffic volumes, interchange spacing, land development, existing lighting and local area conditions shows that at least three conditions are met for both of the segments evaluated. **Based on the AASHTO Roadway Lighting warrant criteria, Continuous Freeway Lighting is recommended along the entire East Section of I-4 PD&E, which includes Segments 3 and 4.**

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APPENDIX

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CRASH RATE CALCULATIONS

Section 77160000

COUNT STATION 3/26/12		770266: EB: ON I-4, 0.146 MI. E OF SR 46 (RCLP)		770266: WB: ON I-4, 0.146 MI. E OF SR 46 (RCLP)		COUNT STATION 3/27/12		770266: EB: ON I-4, 0.146 MI. E OF SR 46 (RCLP)		770266: WB: ON I-4, 0.146 MI. E OF SR 46 (RCLP)		
Volume (veh)		Volume (veh)		Volume (veh)		Volume (veh)		Volume (veh)		Volume (veh)		
HOURS OF NIGHT												
TIME												
0000-0100	615	342		689	370							
0100-0200	418	228		427	263							
0200-0300	290	263		132	228							
0300-0400	270	400		476	367							
0400-0500	417	739		448	774							
0500-0600	668	2148		776	2162							
0600-0700	1663	4733		1755	4787							
2000-2100	2064	1569		2419	1670							
2100-2200	1214	1214		2241	1267							
2200-2300	1415	841		1531	868							
2300-2400	1041	545		1016	514							
NIGHTTIME TOTAL	11,315	13,079		11,907	13,228							
24-HR TOTAL	58,965	57,534		60,157	57,336							
NIGHT %	19%	23%		20%	23%							
AVERAGE NIGHT %	21%		21%		21%		21%		21%		21%	

Section 79110000

COUNT STATION 4/18/12		790484: EB: ON I-4, 0.337 MI E OF ST. JOHNS RIVER BRIDGE (ITS)		790484: WB: ON I-4, 0.337 MI E OF ST. JOHNS RIVER BRIDGE (ITS)		COUNT STATION 8/15/12		790484: EB: ON I-4, 0.337 MI E OF ST. JOHNS RIVER BRIDGE (ITS)		790484: WB: ON I-4, 0.337 MI E OF ST. JOHNS RIVER BRIDGE (ITS)		
Volume (veh)		Volume (veh)		Volume (veh)		Volume (veh)		Volume (veh)		Volume (veh)		
HOURS OF NIGHT												
TIME												
0000-0100	699	316		641	347							
0100-0200	383	257		409	219							
0200-0300	330	237		303	291							
0300-0400	387	387		289	353							
0400-0500	425	710		380	763							
0500-0600	726	1894		664	1860							
0600-0700	1534	4377		1532	4340							
2000-2100	2251	1404		2157	1286							
2100-2200	2060	1176		1847	1156							
2200-2300	1391	864		1352	807							
2300-2400	1100	568		955	296							
NIGHTTIME TOTAL	11,160	12,190		10,529	11,678							
24-HR TOTAL	54,373	52,911		51,628	51,204							
NIGHT %	21%	23%		20%	23%							
AVERAGE NIGHT %	22%		22%		22%		22%		22%		22%	

COUNT STATION 4/18/12		791003: EB: ON I-4, 1.236 MI. W OF SR-472 (ITS)		791003: WB: ON I-4, 1.236 MI. W OF SR-472 (ITS)		COUNT STATION 8/15/12		791003: EB: ON I-4, 1.236 MI. W OF SR-472 (ITS)		791003: WB: ON I-4, 1.236 MI. W OF SR-472 (ITS)		
Volume (veh)		Volume (veh)		Volume (veh)		Volume (veh)		Volume (veh)		Volume (veh)		
HOURS OF NIGHT												
TIME												
0000-0100	527	303		472	356							
0100-0200	241	241		245	645							
0200-0300	312	226		383	238							
0300-0400	260	340		240	283							
0400-0500	458	543		424	521							
0500-0600	753	1214		735	1209							
0600-0700	1574	2669		1580	2560							
2000-2100	1455	1314		1583	1356							
2100-2200	1351	1105		1349	1120							
2200-2300	1011	829		1049	821							
2300-2400	724	546		751	614							
NIGHTTIME TOTAL	8,728	9,330		8,811	9,722							
24-HR TOTAL	42,249	41,792		42,419	44,323							
NIGHT %	21%	22%		21%	22%							
AVERAGE NIGHT %	21%		21%		21%		21%		21%		21%	

Section 79110000

AVERAGE NIGHT %

21.6%

CRASH RATE CALCULATIONS

**SEGMENT 3 CRASH RATES**

<b>SECTION:</b>	77160000	<b>SECTION:</b>	79110000
<b>STATE RD:</b>	SR 400/ I-4	<b>STATE RD:</b>	SR 400/ I-4
<b>COUNTY:</b>	SEMINOLE COUNTY	<b>COUNTY:</b>	VOLUSIA COUNTY
<b>DATE:</b>	1/1/2012 to 12/31/2012	<b>DATE:</b>	1/1/2012 to 12/31/2012
<b>BEGIN MP</b>	4.050	<b>BEGIN MP</b>	0.000
<b>END MP</b>	14.135	<b>END MP</b>	0.086
<b>CRASH SEGMENT LENGTH:</b>	10.085 MILES	<b>CRASH SEGMENT LENGTH:</b>	0.086 MILE
<b>TOTAL CRASH SEGMENT LENGTH:</b>	10.171 MILES		

No. of NIGHTTIME CRASHES	Segment 3	% AADT	CRASH RATE	ADJUSTED RATE
	68	21%	0.77	0.77
No. of DAYTIME CRASHES	109	79%	0.33	0.33
AADT	113,233			

NIGHT LIGHTED RATE ADJUSTMENT FACTOR: N/A

ADJUSTED NIGHT TO DAY CRASH RATE = 2.35  
**NIGHT TO DAY CRASH RATE = 2.35**  
 STATEWIDE AVERAGE CRASH RATE = 0.485  
 ≥2.0 X STATEWIDE AVERAGE CRASH RATE? YES

**SEGMENT 4 CRASH RATES**

<b>SECTION:</b>	79110000
<b>STATE RD:</b>	SR 400/ I-4
<b>COUNTY:</b>	VOLUSIA COUNTY
<b>DATE:</b>	1/1/2012 to 12/31/2012
<b>BEGIN MP</b>	0.086
<b>END MP</b>	3.242
<b>CRASH SEGMENT LENGTH:</b>	3.156 MILES

No. of NIGHTTIME CRASHES	Segment 4	% AADT	CRASH RATE	ADJUSTED RATE
	27	22%	1.02	1.02
No. of DAYTIME CRASHES	14	78%	0.15	0.15
AADT	106,500			

NIGHT LIGHTED RATE ADJUSTMENT FACTOR: N/A

ADJUSTED NIGHT TO DAY CRASH RATE = 7.00  
**NIGHT TO DAY CRASH RATE = 7.00**  
 STATEWIDE AVERAGE CRASH RATE = 0.379  
 ≥2.0 X STATEWIDE AVERAGE CRASH RATE? YES

**SEGMENT 4 CRASH RATES**

<b>SECTION:</b>	79110000
<b>STATE RD:</b>	SR 400/ I-4
<b>COUNTY:</b>	VOLUSIA COUNTY
<b>DATE:</b>	1/1/2012 to 12/31/2012
<b>BEGIN MP</b>	3.242
<b>END MP</b>	10.227
<b>CRASH SEGMENT LENGTH:</b>	6.985 MILES

No. of NIGHTTIME CRASHES	Segment 4	% AADT	CRASH RATE	ADJUSTED RATE
	34	22%	0.71	0.71
No. of DAYTIME CRASHES	45	78%	0.26	0.26
AADT	86,451			

NIGHT LIGHTED RATE ADJUSTMENT FACTOR: N/A

ADJUSTED NIGHT TO DAY CRASH RATE = 2.74  
**NIGHT TO DAY CRASH RATE = 2.74**  
 STATEWIDE AVERAGE CRASH RATE = 0.485  
 ≥2.0 X STATEWIDE AVERAGE CRASH RATE? YES



## **COLLISION DATA**



REPORT..CARPJ34-1  
 DATE...2013-11-15  
 TIME...15:27:50:4  
 COMMENT:

FROM: 01/01/2012 TO 12/31/2012  
 FROM CO/SEC/SUB: 79 110 000  
 TO CO/SEC/SUB: 79 110 000

FLORIDA - DEPARTMENT OF TRANSPORTATION  
 C A R - TABLE OF CRASH STATISTICS  
 \*\*\* TABLES \*\*\*  
 \*\*\* 1ST LEVEL - CRASH LEVEL REPORT \*\*\*  
 RAMP INCL  
 INFL INCL  
 CR/OS INCL  
 MP: 000.000  
 MP: 010.227

\*\*\* TABBED BY \*\*\*  
 1ST LIGHTCOND  
 LIGHTING CONDITION  
 PAGE NO 1

CODE	DESCRIPTION	FATAL CRASH STATISTICS	INJURY CRASH STATISTICS	PROPERTY DAMAGE ONLY	TOTALS
		FATAL CRASH STATISTICS	INJURY CRASH STATISTICS	PROPERTY DAMAGE ONLY	TOTALS
		*****	*****	*****	*****
		CRASHES FATALITIES INJURIES	CRASHES INJURIES	CRASHES	CRASHES FATALITIES INJURIES
01	DAYLIGHT	1	35	23	59
02	DUSK	0	2	5	7
03	DAWN	0	3	1	4
04	DARK (STREET LIGHT)	0	1	7	8
05	DARK (NO STREET LIGHT)	1	20	21	42
SUB TOTAL:		2	61	57	120

REPORT..CARPJ34-1  
 DATE...2013-11-15  
 TIME...15:27:50:4  
 COMMENT:

FROM: 01/01/2012 TO 12/31/2012  
 FROM CO/SEC/SUB: 79 110 000  
 TO CO/SEC/SUB: 79 110 000

FLORIDA - DEPARTMENT OF TRANSPORTATION  
 C A R - TABLE OF CRASH STATISTICS  
 \*\*\* TABLES \*\*\*  
 \*\*\* REPORT TOTALS \*\*\*  
 RAMP INCL  
 INFL INCL  
 CR/OS INCL  
 MP: 000.000  
 MP: 010.227

PAGE NO 2  
 TABBLED BY \*\*\*  
 1ST LIGHTCOND

LIGHTING CONDITION

FATAL CRASH STATISTICS	INJURY CRASH STATISTICS	PROPERTY DAMAGE ONLY	TOTALS
*****	*****	*****	*****
CRASHES FATALITIES	CRASHES INJURIES	CRASHES	CRASHES FATALITIES
-----	-----	-----	-----
2	61	57	120
2	88	2	88
TOTAL CRASHES:			

FATAL CRASH STATISTICS	INJURY CRASH STATISTICS	PROPERTY DAMAGE ONLY	TOTALS
*****	*****	*****	*****
VEH/PEDS FATALITIES	VEH/PEDS INJURIES	VEH/PEDS	VEH/PEDS FATALITIES
-----	-----	-----	-----
2	68	112	182
0	0	0	0
TOTAL VEHICLES:			
TOTAL PEDESTRIANS:			

FATAL CRASH STATISTICS	INJURY CRASH STATISTICS	NON INJURED PERSONS	TOTALS
*****	*****	*****	*****
FATAL PERSONS	INJURED PERSONS	PERSONS	PERSONS FATALITIES
-----	-----	-----	-----
2	88	178	268
2	88	2	88
TOTAL PERSONS:			

FOR YEAR	FATAL CRASH STATISTICS		INJURY CRASH STATS		PROPERTY DAMAGE ONLY		TOTALS		INFLUENCE CRASHES OCCURRING ON INTERSECTING RDWYS AT INT. INFL AREA	
	CRASHES	FATALITIES	CRASHES	INJURIES	CRASHES	INJURIES	CRASHES	FATALITIES		INJURIES
2012	2	2	61	88	57	88	120	2	88	2
TOTAL	2	2	61	88	57	88	120	2	88	2

N O T I C E: THE INFORMATION CONTAINED IN THIS DOCUMENT (REPORT, SCHEDULE, LIST, OR DATA) HAS BEEN COMPILED FROM INFORMATION COLLECTED FOR THE PURPOSE OF IDENTIFYING, EVALUATING, OR PLANNING SAFETY ENHANCEMENTS. THIS PRODUCT IDENTIFIES INFORMATION USED FOR THE PURPOSE OF DEVELOPING HIGHWAY SAFETY CONSTRUCTION IMPROVEMENT PROJECTS WHICH MAY BE IMPLEMENTED UTILIZING FEDERAL-AID HIGHWAY FUNDS. ANY DOCUMENT DISPLAYING THIS NOTICE SHALL BE USED ONLY FOR THOSE PURPOSES DEEMED APPROPRIATE BY THE FLORIDA DEPARTMENT OF TRANSPORTATION. SEE TITLE 23, UNITED STATES CODE, SECTION 409.

REPORT...CARPJ34-01  
 DATE...11/15/2013  
 TIME...15:27:50

FLORIDA - DEPARTMENT OF TRANSPORTATION  
 C A R - CRASH ANALYSIS REPORTING SYSTEM  
 \*\*\* TABLES \*\*\*  
 \*\*\* REPORT TOTALS \*\*\*

PAGE NO: 1  
 USERID: KNHNTCO  
 I/O.... CAR0134

CUMULATIVE TOTALS FOR ALL LOCATIONS SUBMITTED - OVERLAPPING OR INTERSECTING LOCATIONS MAY RESULT IN CRASHES COUNTED MORE THAN ONCE

FOR YEAR	FATAL CRASH STATISTICS		INJURY CRASH STATS		PROPERTY DAMAGE ONLY		TOTALS		INFLUENCE CRASHES OCCURRING ON INTERSECTING RDWYS AT INT. INFL AREA	
	CRASHES	FATALITIES	CRASHES	INJURIES	CRASHES	INJURIES	CRASHES	FATALITIES	INJURIES	INFL AREA
2012	2	2	61	88	57	88	120	2	88	2
TOTAL	2	2	61	88	57	88	120	2	88	2

N O T I C E: THE INFORMATION CONTAINED IN THIS DOCUMENT (REPORT, SCHEDULE, LIST, OR DATA) HAS BEEN COMPILED FROM INFORMATION COLLECTED FOR THE PURPOSE OF IDENTIFYING, EVALUATING, OR PLANNING SAFETY ENHANCEMENTS. THIS PRODUCT IDENTIFIES INFORMATION USED FOR THE PURPOSE OF DEVELOPING HIGHWAY SAFETY CONSTRUCTION IMPROVEMENT PROJECTS WHICH MAY BE IMPLEMENTED UTILIZING FEDERAL-AID HIGHWAY FUNDS. ANY DOCUMENT DISPLAYING THIS NOTICE SHALL BE USED ONLY FOR THOSE PURPOSES DEEMED APPROPRIATE BY THE FLORIDA DEPARTMENT OF TRANSPORTATION. SEE TITLE 23, UNITED STATES CODE, SECTION 409.





REPORT..CARPJ34-1  
 DATE...2013-11-15  
 TIME...14:29:22:3  
 COMMENT:

FROM: 01/01/2012 TO 12/31/2012  
 FROM CO/SEC/SUB: 77 160 000  
 TO CO/SEC/SUB: 77 160 000

FLORIDA - DEPARTMENT OF TRANSPORTATION  
 C A R - TABLE OF CRASH STATISTICS  
 \*\*\* TABLES \*\*\*  
 \*\*\* 1ST LEVEL - CRASH LEVEL REPORT \*\*\*  
 RAMP INCL  
 INFL INCL  
 CR/OS INCL  
 MP: 004.050  
 MP: 014.135

\*\*\* TABBLED BY \*\*\*  
 1ST LIGHTCOND  
 LIGHTING CONDITION  
 PAGE NO 1

CODE	DESCRIPTION	FATAL CRASH STATISTICS	INJURY CRASH STATISTICS	PROPERTY DAMAGE ONLY	TOTALS
		FATAL CRASH STATISTICS	INJURY CRASH STATISTICS	PROPERTY DAMAGE ONLY	TOTALS
		*****	*****	*****	*****
		CRASHES FATALITIES INJURIES	CRASHES INJURIES	CRASHES	CRASHES FATALITIES INJURIES
01	DAYLIGHT	0	58	51	109
02	DUSK	0	3	3	6
03	DAWN	0	2	1	3
04	DARK (STREET LIGHT)	2	15	14	31
05	DARK (NO STREET LIGHT)	0	12	16	28
88	UNKNOWN	0	0	1	1
SUB TOTAL:		2	90	86	178

REPORT..CARPJ34-1  
 DATE...2013-11-15  
 TIME...14:29:22:3  
 COMMENT:

FROM: 01/01/2012 TO 12/31/2012  
 FROM CO/SEC/SUB: 77 160 000  
 TO CO/SEC/SUB: 77 160 000

FLORIDA - DEPARTMENT OF TRANSPORTATION  
 C A R - TABLE OF CRASH STATISTICS  
 \*\*\* TABLES \*\*\*  
 \*\*\* REPORT TOTALS \*\*\*

PAGE NO 2  
 TABBLED BY \*\*\*  
 1ST LIGHTCOND

LIGHTING CONDITION

RAMPS INCL  
 INFL INCL  
 CR/OS INCL

MP: 004.050  
 MP: 014.135

FATAL CRASH STATISTICS	INJURY CRASH STATS	PROPERTY	TOTALS
*****	*****	DAMAGE ONLY	*****
CRASHES FATALITIES	CRASHES INJURIES	CRASHES	CRASHES FATALITIES
-----	-----	-----	-----
2	90	86	178
	150		2
			152

TOTAL CRASHES:

FATAL CRASH STATISTICS	INJURY CRASH STATS	PROPERTY	TOTALS
*****	*****	DAMAGE ONLY	*****
VEH/PEDS FATALITIES	VEH/PEDS INJURIES	VEH/PEDS	VEH/PEDS FATALITIES
-----	-----	-----	-----
2	111	213	326
0	0	0	0
	151		2
	0		0
			152

TOTAL VEHICLES:  
 TOTAL PEDESTRIANS:

FATAL CRASH STATISTICS	INJURY CRASH STATS	NON	TOTALS
*****	*****	INJURED	*****
FATAL PERSONS	INJURED PERSONS	PERSONS	PERSONS FATALITIES
-----	-----	-----	-----
2	152	354	508
			2
			152

TOTAL PERSONS:

COMMENT:  
 FROM: 01/01/2012 TO 12/31/2012  
 FROM CO/SEC/SUB: 77 160 000  
 TO CO/SEC/SUB: 77 160 000

MP: 004.050  
 MP: 014.135

RAMPS INCL  
 INFL INCL  
 CR/OS INCL

FOR YEAR	FATAL CRASH STATISTICS		INJURY CRASH STATS		PROPERTY DAMAGE ONLY		TOTALS		INFLUENCE CRASHES OCCURRING ON INTERSECTING RDWYS AT INT. INFL AREA		
	CRASHES	FATALITIES	CRASHES	INJURIES	CRASHES	INJURIES	CRASHES	FATALITIES		INJURIES	
2012	2	2	90	150	86	2	178	2	152	5	4
TOTAL	2	2	90	150	86	2	178	2	152	5	4

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REPORT...CARPJ34-01  
 DATE...11/15/2013  
 TIME...14:29:23

FLORIDA - DEPARTMENT OF TRANSPORTATION  
 C A R - CRASH ANALYSIS REPORTING SYSTEM  
 \*\*\* TABLES \*\*\*  
 \*\*\* REPORT TOTALS \*\*\*

PAGE NO: 1  
 USERID: KNHNTCO  
 I/O.... CAR0134

CUMULATIVE TOTALS FOR ALL LOCATIONS SUBMITTED - OVERLAPPING OR INTERSECTING LOCATIONS MAY RESULT IN CRASHES COUNTED MORE THAN ONCE

FOR YEAR	FATAL CRASH STATISTICS		INJURY CRASH STATS		PROPERTY DAMAGE ONLY		TOTALS		INFLUENCE CRASHES OCCURRING ON INTERSECTING RDWYS AT INT. INFL AREA
	CRASHES FATALITIES	INJURIES	CRASHES	INJURIES	CRASHES	INJURIES	CRASHES FATALITIES	INJURIES	
2012	2	2	90	150	86	2	178	152	5
TOTAL	2	2	90	150	86	2	178	152	5

N O T I C E: THE INFORMATION CONTAINED IN THIS DOCUMENT (REPORT, SCHEDULE, LIST, OR DATA) HAS BEEN COMPILED FROM INFORMATION COLLECTED FOR THE PURPOSE OF IDENTIFYING, EVALUATING, OR PLANNING SAFETY ENHANCEMENTS. THIS PRODUCT IDENTIFIES INFORMATION USED FOR THE PURPOSE OF DEVELOPING HIGHWAY SAFETY CONSTRUCTION IMPROVEMENT PROJECTS WHICH MAY BE IMPLEMENTED UTILIZING FEDERAL-AID HIGHWAY FUNDS. ANY DOCUMENT DISPLAYING THIS NOTICE SHALL BE USED ONLY FOR THOSE PURPOSES DEEMED APPROPRIATE BY THE FLORIDA DEPARTMENT OF TRANSPORTATION. SEE TITLE 23, UNITED STATES CODE, SECTION 409.





REPORT..CARPJ85-  
 DATE...05/08/2013  
 TIME...15:30:04

FLORIDA - DEPARTMENT OF TRANSPORTATION  
 C A R - CRASH ANALYSIS REPORTING SYSTEM  
 SEGMENT BASED CRASH RATE STATISTICS  
 DISTRICT: 05 COUNTY: ALL FOR 2009 - 2011  
 USERID: TO562AN

PAGE NO 13  
 AS OF: 2012-11-05

COMMENT:

I/A	CRASH	CRASHES	MV MILES	CRASH RATE	AVG/YEAR	\$/CRASH@CRA	C-NO-INJ	C-POSSIBLE	C-N-INCAP	C-FATAL	C-NT-FATAL
				CL MILES		\$/CRASH@INJ	P-NO-INJ	P-POSSIBLE	P-N-INCAP	P-FATAL	P-NT-FATAL
01	-	INTERSTATE URBAN	177,694	0.485	183.504		1,922	1,503	467	112	7
24		7,546	15,596.137				3,559	2,243	684	127	10
02	-	INTERSTATE RURAL	219,705	0.379	95.706		347	356	204	29	2
5		1,724	4,559.945				791	621	331	35	2
03	-	TOLL ROAD URBAN	126,821	0.340	92.201		431	407	59	12	0
18		1,506	4,478.327				731	565	72	15	1
04	-	TOLL ROAD RURAL	123,711	0.314	29.656		80	97	23	2	0
4		349	1,121.889				186	156	31	2	1
05	-	URBAN OTHER LIMITED ACCESS	456,234	0.333	12.030		37	24	14	8	0
2		147	447.343				76	52	21	9	0
06	-	RURAL OTHER LIMITED ACCESS	0	0.000	0.000		0	0	0	0	0
0		0	0.000				0	0	0	0	0
07	-	RAMP URBAN	115,207	0.000	7.871		489	379	112	10	0
1,482		354	1.157				766	489	131	10	0
08	-	RAMP RURAL	123,022	0.000	195.092		1,903	1,403	354	50	3
4,478		2,384	466.299				3,267	1,916	452	57	6
10	-	URBAN 2-3LN 2WY DIVD RASD	112,850	2.048	3.992		23	17	5	1	0
31		89	58.569				45	26	7	1	0
11	-	URBAN 2-3LN 2WY DIVD PAVD	132,493	2.386	11.728		108	70	21	4	0
86		333	175.560				156	92	25	4	0
12	-	URBAN 2-3LN 2WY UNDIVD	142,041	2.253	23.035		96	89	25	4	0
179		236	184.137				142	116	35	4	0
13	-	SUBURBAN 2-3LN 2WY DIVD RASD	191,667	1.901	7.870		53	54	13	4	0
46		188	123.029				118	86	20	4	0
14	-	SUBURBAN 2-3LN 2WY DIVD PAVD	146,174	1.249	69.182		323	274	98	10	0
206		1,016	978.366				645	402	125	10	1
15	-	SUBURBAN 2-3LN 2WY UNDIVD	248,682	0.556	187.843		235	255	128	21	0
102		950	1,890.638				463	385	180	22	0
16	-	RURAL 2-3LN 2WY DIVD RASD	136,393	1.589	2.472		11	15	7	0	0
18		29	29.563				26	19	8	0	0

## **TRAFFIC VOLUME DATA**


FLORIDA DEPARTMENT OF TRANSPORTATION  
 TRANSPORTATION STATISTICS OFFICE  
 2012 HISTORICAL AADT REPORT

COUNTY: 77 - SEMINOLE

SITE: 0343 - SR-400/I-4, 1.6 MI E OF SR-434, SEMINOLE CO.


YEAR	AADT	DIRECTION 1	DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
2012	132663 C	E 67176	W 65487	8.00	52.50	6.50
2011	132557 C	E 67022	W 65535	8.00	52.70	6.40
2010	133908 C	E 67646	W 66262	8.55	52.89	6.50
2009	132476 C	E 66567	W 65909	8.65	52.77	6.60
2008	131571 C	E 66398	W 65173	8.71	53.09	6.80
2007	137333 C	E 69282	W 68051	8.41	52.29	7.10
2006	137055 C	E 69025	W 68030	8.32	52.47	7.20
2005	133746 C	E 67306	W 66440	8.40	52.60	7.10
2004	126297 C	E 63246	W 63051	8.50	51.90	6.80
2003	123133 C	E 61601	W 61532	8.10	51.20	6.20
2002	121650 C	E 60981	W 60669	8.10	52.50	6.40
2001	119429 C	E 59616	W 59813	9.60	55.10	5.20
2000	114381 C	E 57048	W 57333	8.90	54.20	5.30
1999	111672 C	E 55316	W 56356	10.00	57.50	5.40
1998	105793 C	E 52818	W 52975	9.20	53.50	5.20

AADT FLAGS: C = COMPUTED; E = MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE  
 S = SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; X = UNKNOWN  
 \*K FACTOR: STARTING WITH YEAR 2011 IS STANDARDK, PRIOR YEARS ARE K30 VALUES

Site Information	
Feature	1
Road Name	I-4
Site	790484
Description	ON I-4, 0.337 MI E. OF ST. JOHNS RIVER BRIDGE (ITS)
Section	79110000
Milepoint	2.5
AADT	<b>106500</b>
Site Type	Portable
Class Data	No
K Factor	9
D Factor	54
T Factor	11.1
<b>TRAFFIC REPORTS</b> (provided in  format)	
Volusia County	<a href="#">Annual Average Daily Traffic</a>
	<a href="#">Historical AADT Data</a>
	<a href="#">Synopsis 790484-20120418</a>
	<a href="#">Synopsis 790484-20120516</a>
	<a href="#">Synopsis 790484-20120815</a>


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Site Information	
Feature	1
Road Name	I-4
Site	770266
Description	ON I-4, 0.146 MI. E OF SR-46 (RCLP)
Section	77160000
Milepoint	12.919
AADT	<b>103000</b>
Site Type	Portable
Class Data	No
K Factor	9
D Factor	54
T Factor	10.4
TRAFFIC REPORTS (provided in  format)	
Seminole County	<a href="#">Annual Average Daily Traffic</a>
	<a href="#">Historical AADT Data</a>
	<a href="#">Synopsis 770266-20120326</a>
	<a href="#">Synopsis 770266-20120327</a>

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Site Information	
Feature	1
Road Name	I-4
Site	799906
Description	ON I-4, 169' E OF ENTERPRISE RD O/P, VOLU SIA CO.
Section	79110000
Milepoint	4.668
AADT	<b>93854</b>
Site Type	Telemetered
Class Data	Yes
K Factor	9
D Factor	55.6
T Factor	8
<b>TRAFFIC REPORTS</b> (provided in  format)	
Volusia County	<a href="#">Annual Average Daily Traffic</a>
	<a href="#">Annual Vehicle Classification</a>
SITE 799906	<a href="#">Directional AADTs</a>
	<a href="#">Highest 200 Hours</a>
	<a href="#">Historical AADT Data</a>
	<a href="#">Hourly Continuous Counts</a>
	<a href="#">Vehicle Class History</a>

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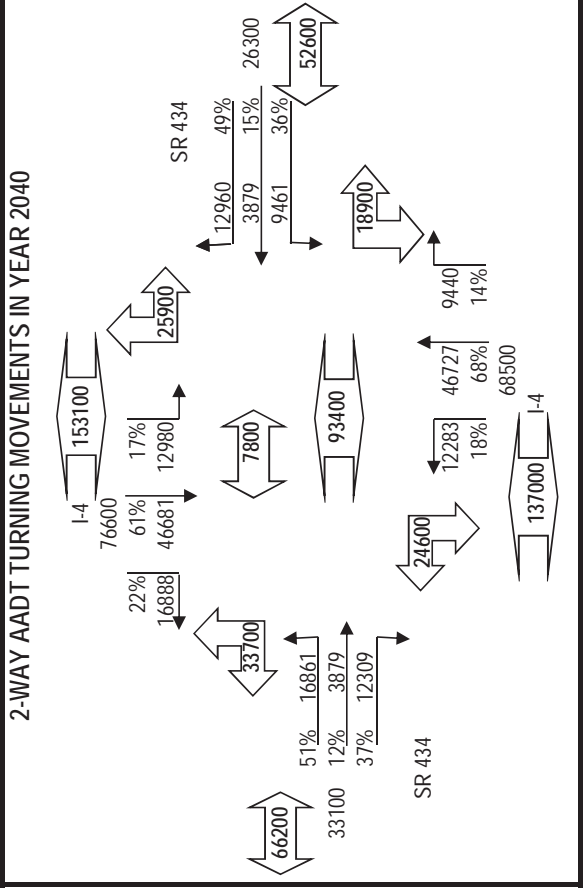
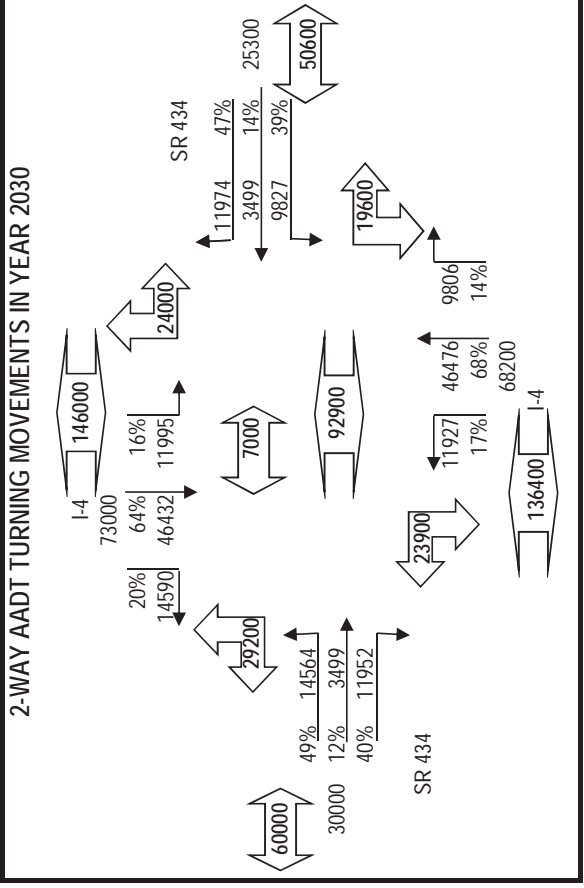
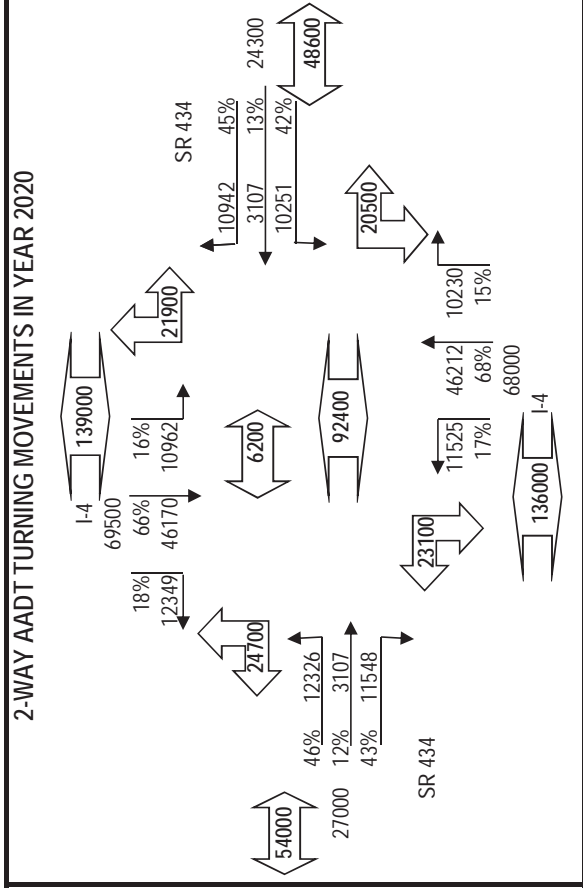
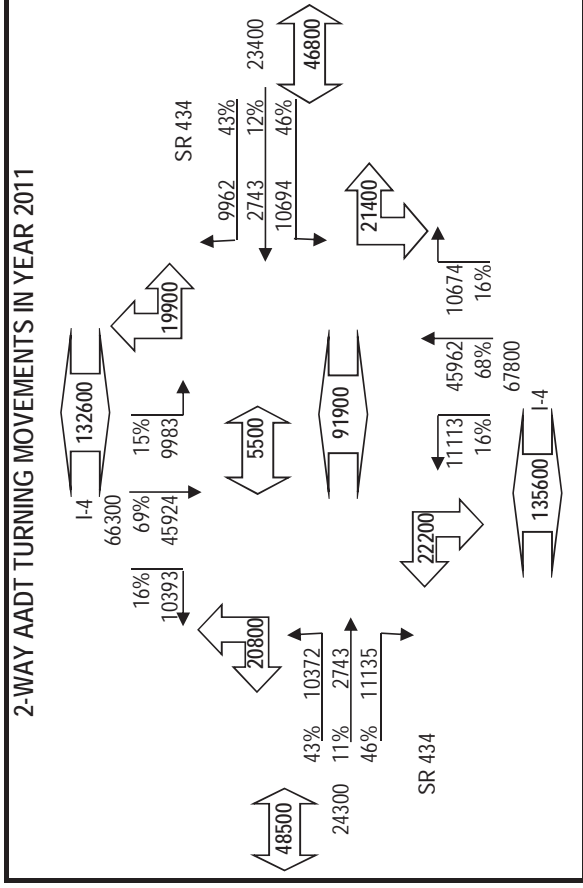


Site Information	
Feature	1
Road Name	I-4
Site	791003
Description	ON I-4, 1.236 MI. W OF SR-472 (ITS)
Section	79110000
Milepoint	8.28
AADT	<b>88000</b>
Site Type	Portable
Class Data	No
K Factor	9
D Factor	54
T Factor	11.1
<b>TRAFFIC REPORTS</b> (provided in  format)	
Volusia County	<a href="#">Annual Average Daily Traffic</a>
	<a href="#">Historical AADT Data</a>
	<a href="#">Synopsis 791003-20120418</a>
	<a href="#">Synopsis 791003-20120815</a>

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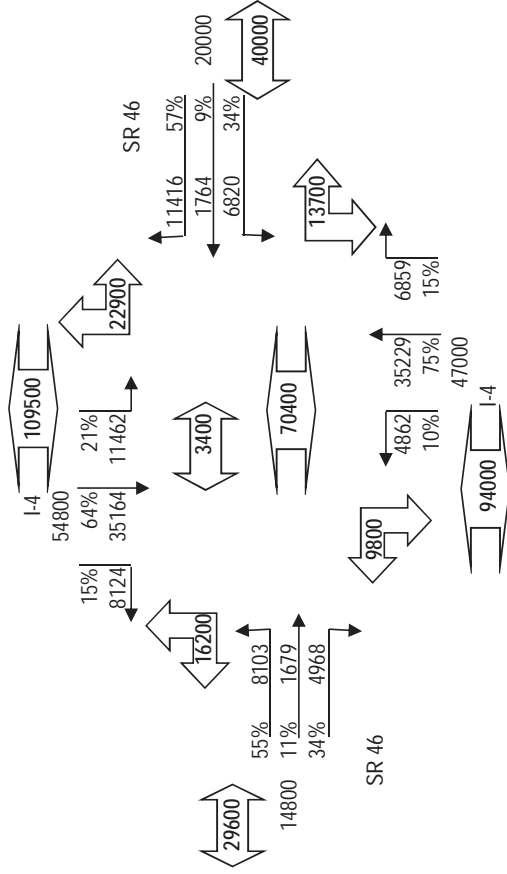
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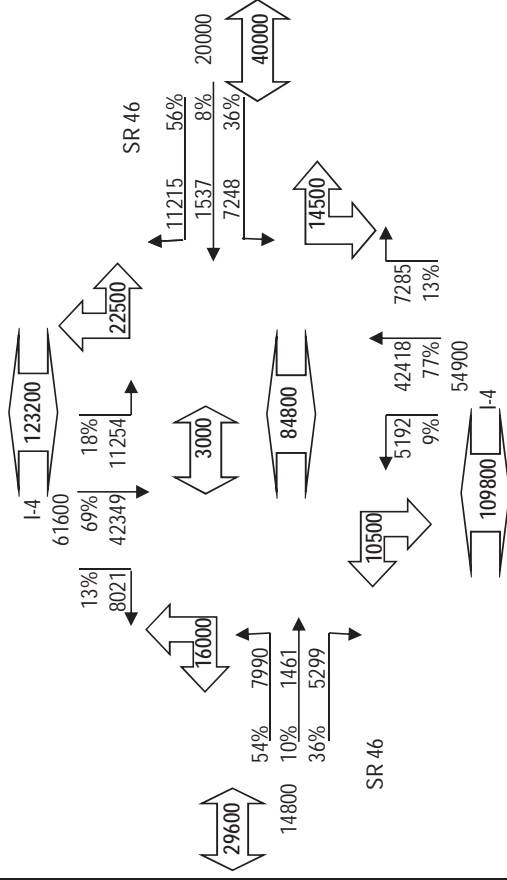


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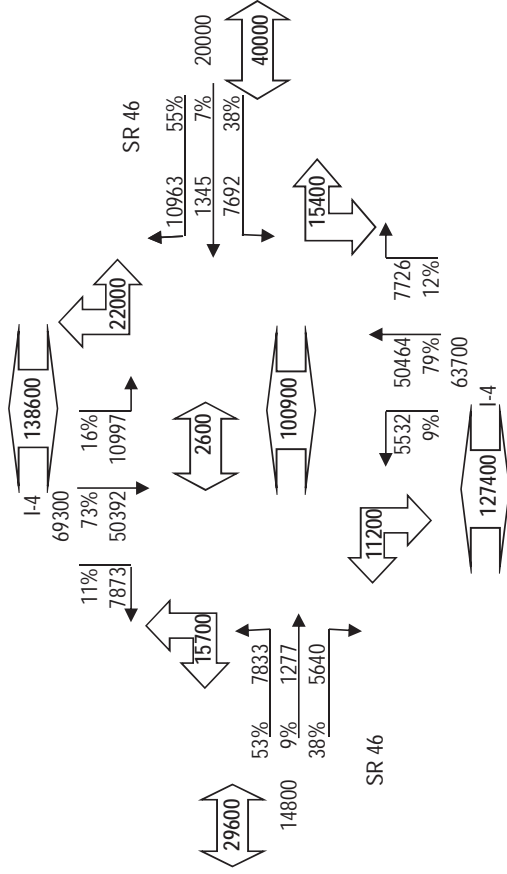
2-WAY AADT TURNING MOVEMENTS IN YEAR 2011



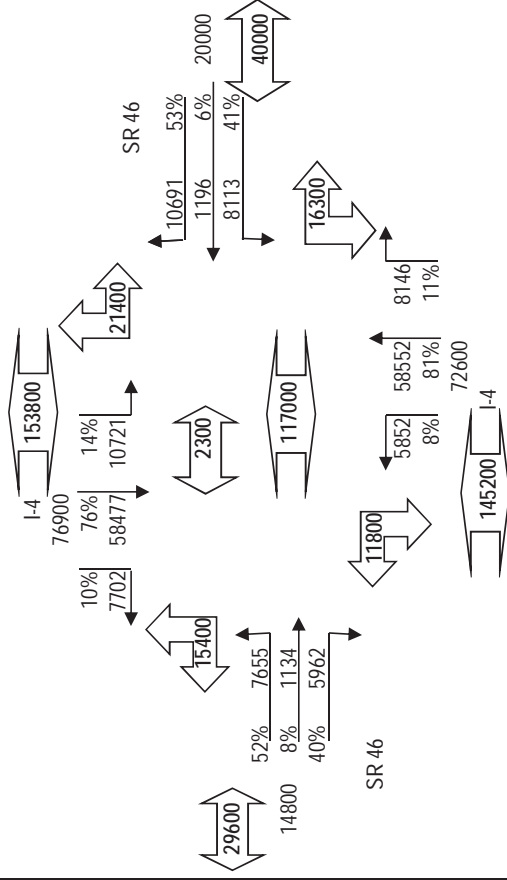
2-WAY AADT TURNING MOVEMENTS IN YEAR 2020



2-WAY AADT TURNING MOVEMENTS IN YEAR 2030

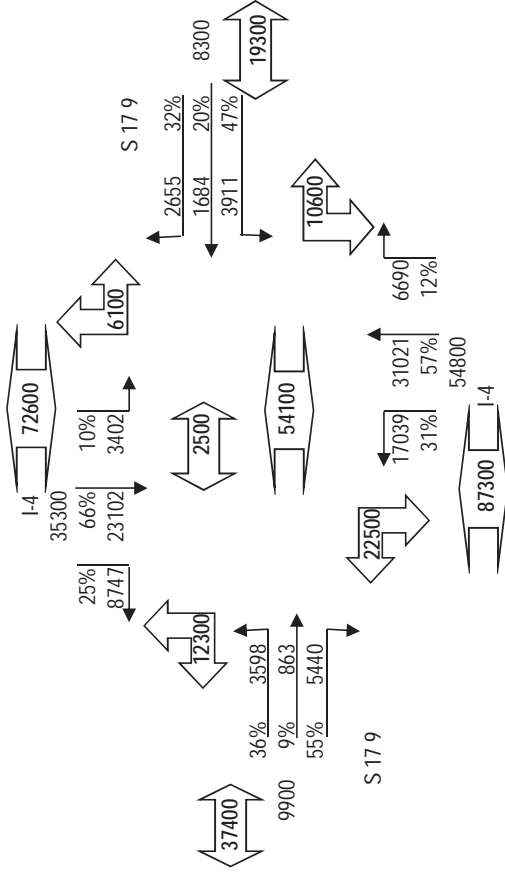


2-WAY AADT TURNING MOVEMENTS IN YEAR 2040

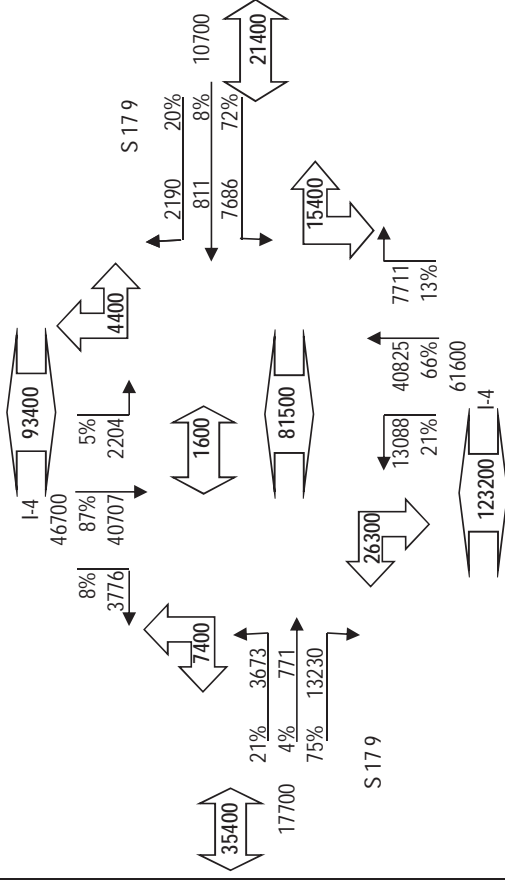


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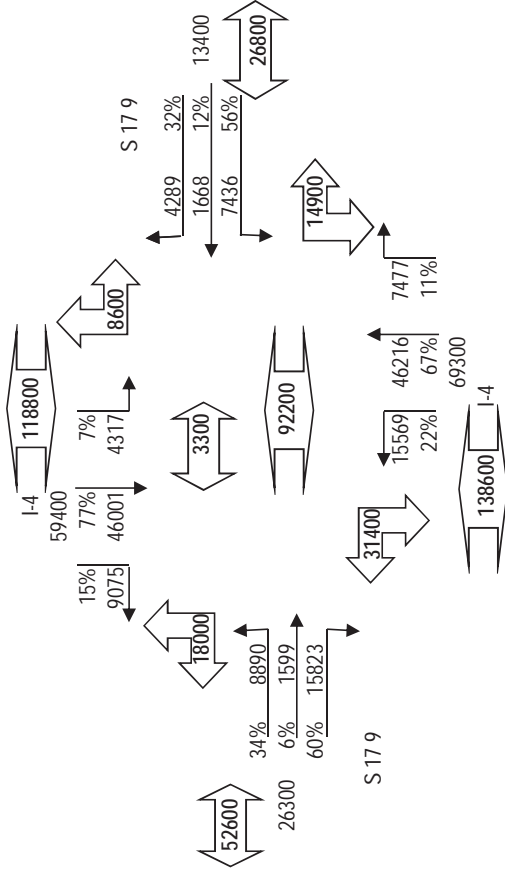
2-WAY AADT TURNING MOVEMENTS IN YEAR 2011



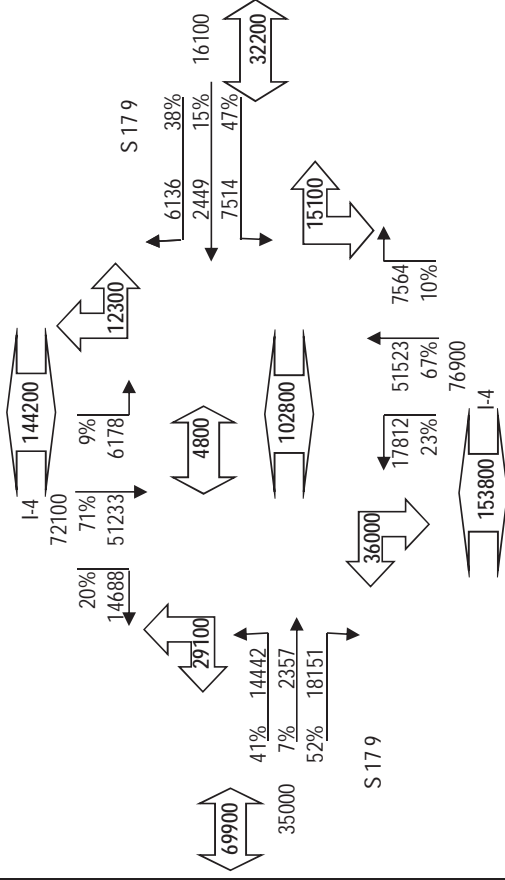
2-WAY AADT TURNING MOVEMENTS IN YEAR 2020



2-WAY AADT TURNING MOVEMENTS IN YEAR 2030

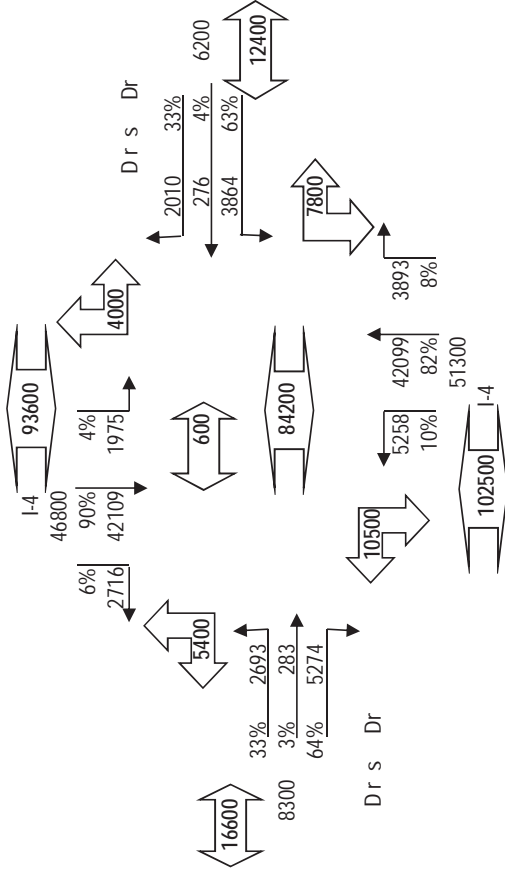


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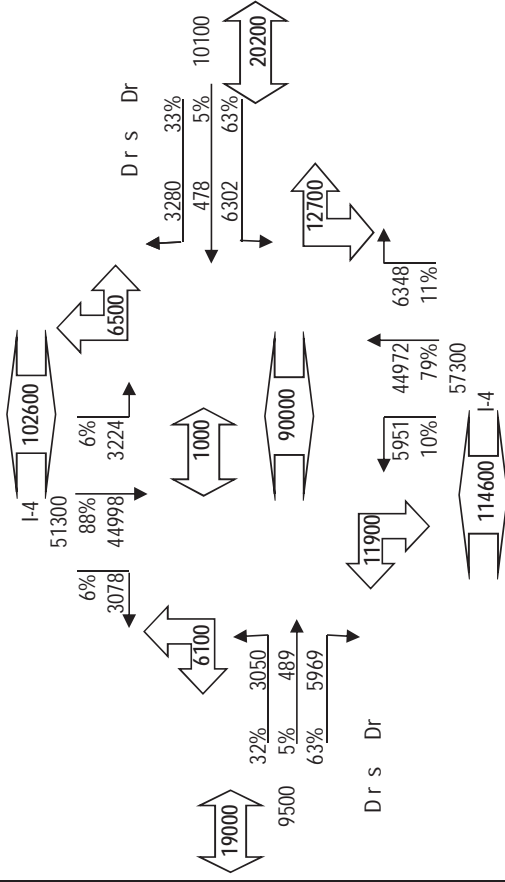


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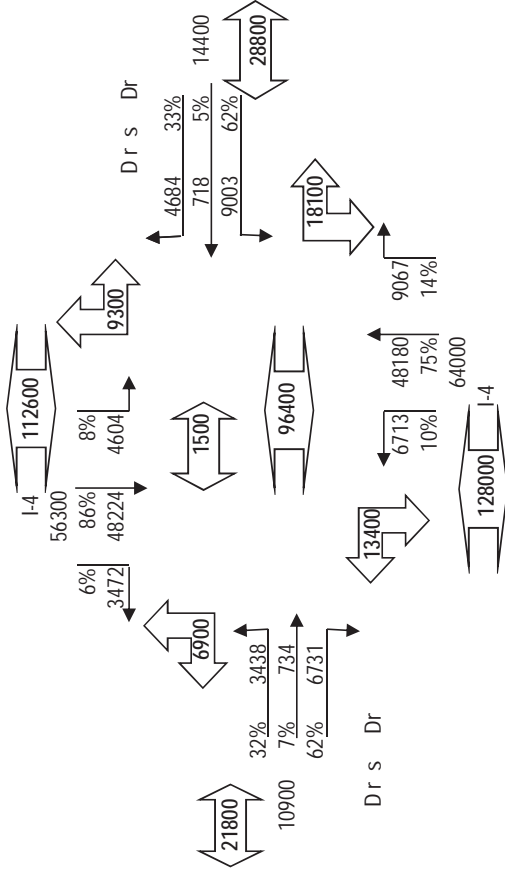
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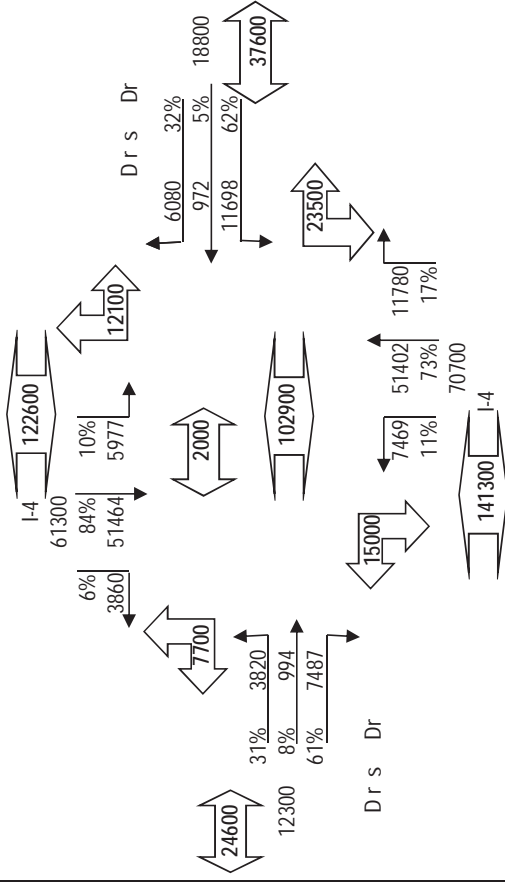
## 2-WAY AADT TURNING MOVEMENTS IN YEAR 2020



## 2-WAY AADT TURNING MOVEMENTS IN YEAR 2030

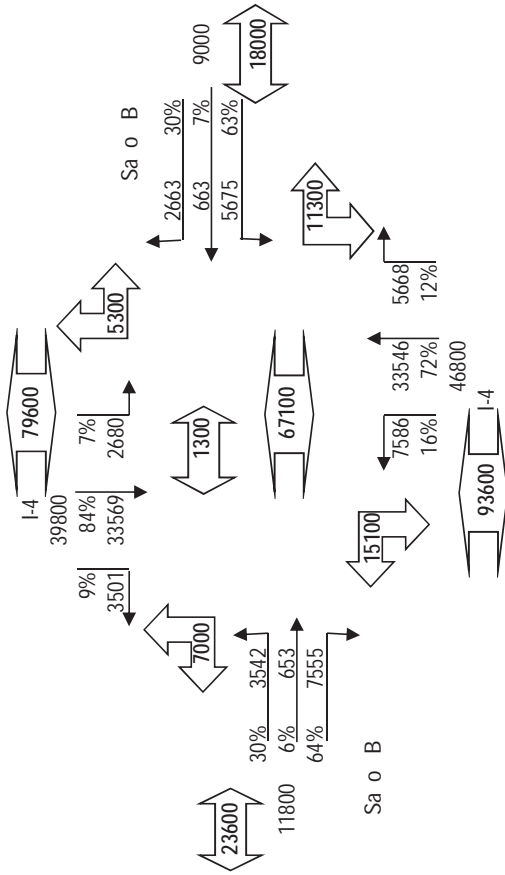


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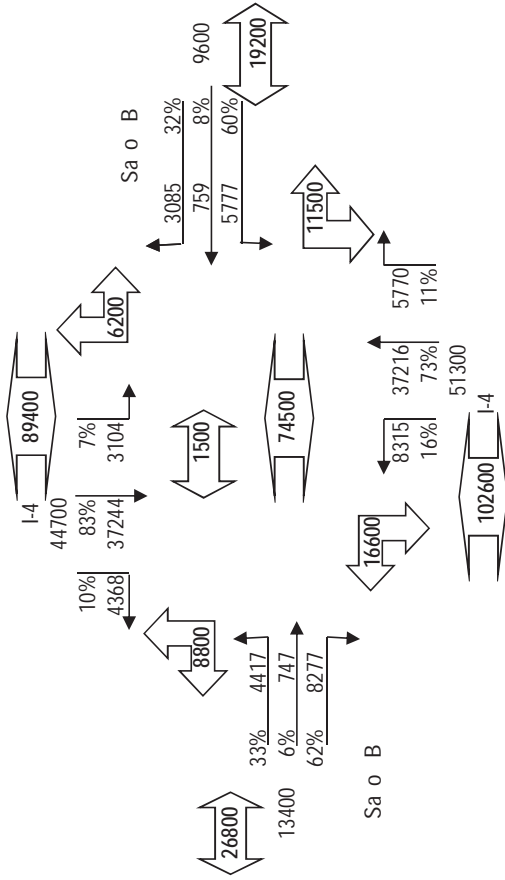


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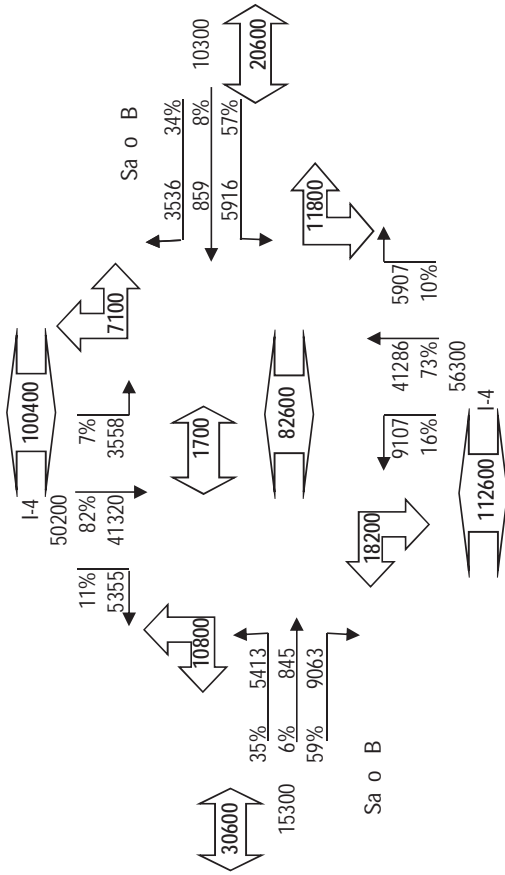
2-WAY AADT TURNING MOVEMENTS IN YEAR 2011



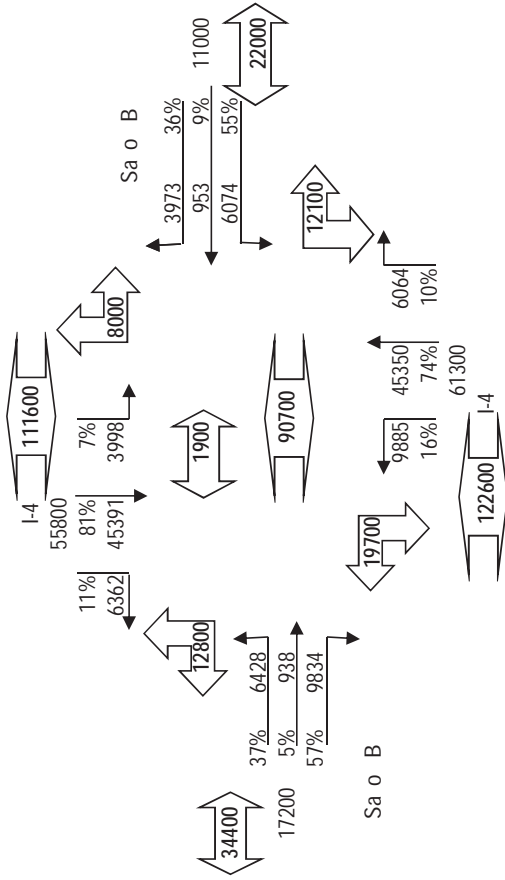
2-WAY AADT TURNING MOVEMENTS IN YEAR 2020



2-WAY AADT TURNING MOVEMENTS IN YEAR 2030

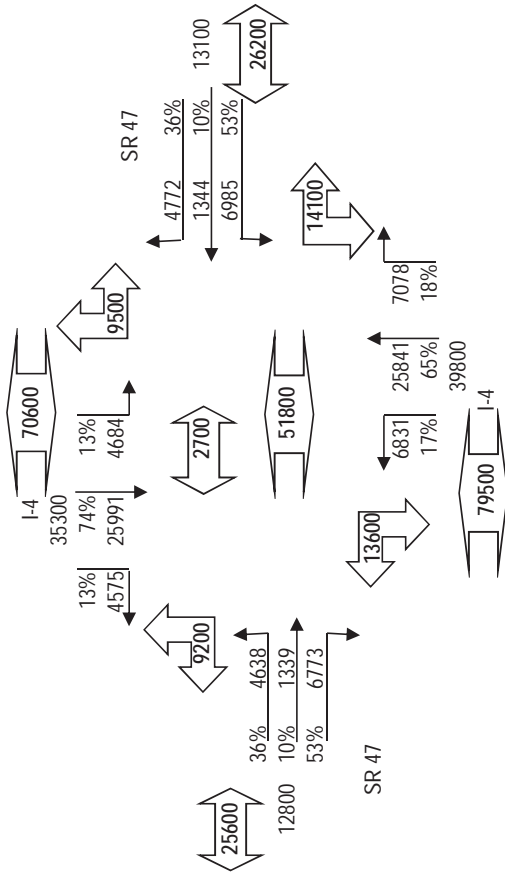


2-WAY AADT TURNING MOVEMENTS IN YEAR 2040

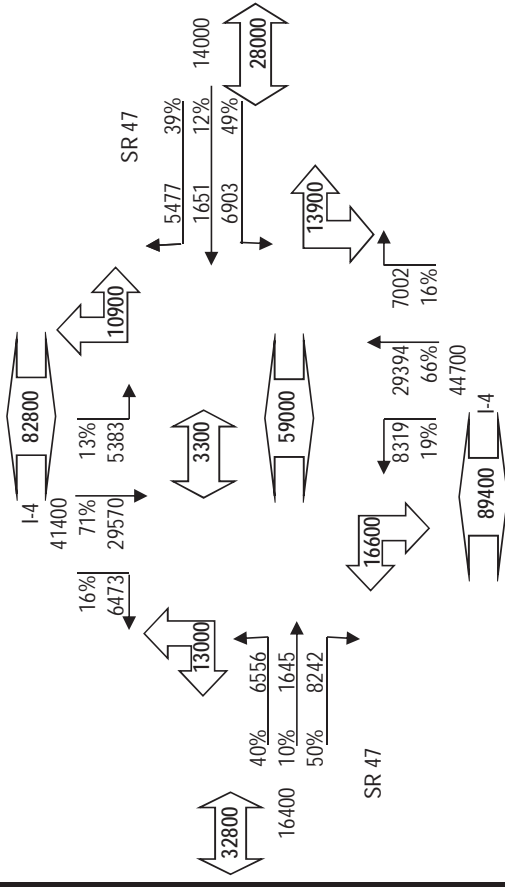


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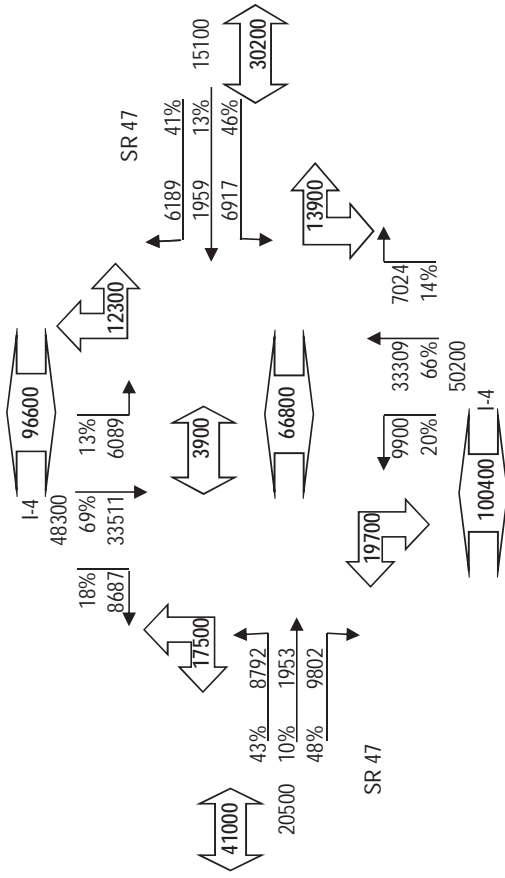
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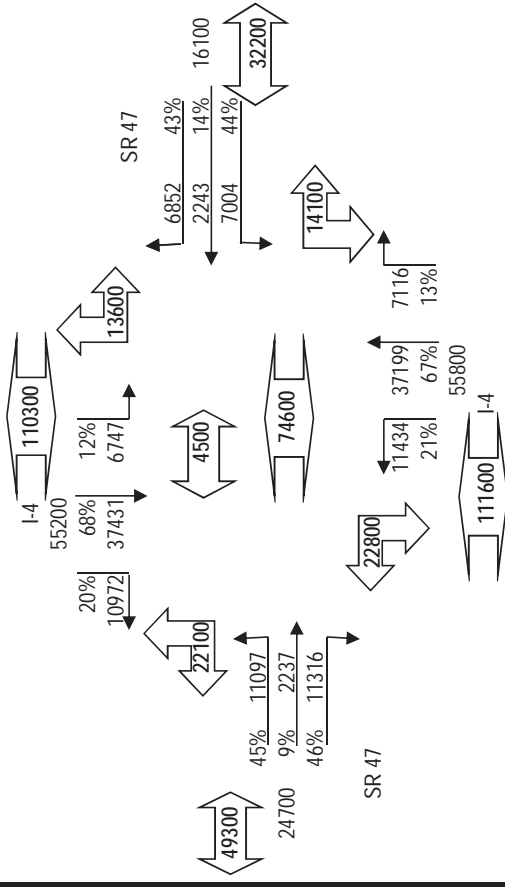
2-WAY AADT TURNING MOVEMENTS IN YEAR 2020



2-WAY AADT TURNING MOVEMENTS IN YEAR 2030



2-WAY AADT TURNING MOVEMENTS IN YEAR 2040



COUNTY: 77  
 STATION: 0266  
 DESCRIPTION: ON I-4, 0.146 MI. E OF SR-46 (RCLP) UC 2008  
 START DATE: 03/27/2012  
 START TIME: 1200

TIME	DIRECTION: E					DIRECTION: W					COMBINED TOTAL	
	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL		
0000	212	195	158	124	689	133	95	85	57	370	1059	
0100	120	108	105	94	427	57	64	73	69	263	690	
0200	92	34	5	1	132	53	46	64	63	226	358	
0300	235	77	98	66	476	77	100	90	120	387	863	
0400	81	102	120	142	445	139	175	212	246	772	1217	
0500	147	185	200	244	776	368	509	580	705	2162	2938	
0600	308	464	468	515	1755	949	1171	1296	1371	4787	6542	
0700	592	668	742	692	2694	1448	1455	1561	1381	5845	8539	
0800	666	750	717	680	2813	1416	1261	1147	1012	4836	7649	
0900	707	774	819	767	3067	914	908	853	847	3522	6589	
1000	744	759	812	840	3155	741	828	843	824	3236	6391	
1100	805	884	840	817	3346	808	765	729	752	3054	6400	
1200	809	821	766	789	3185	708	733	724	700	2865	6050	
1300	837	813	809	821	3280	729	690	734	699	2852	6132	
1400	888	847	895	900	3530	776	699	749	745	2969	6499	
1500	991	1031	1129	1200	4351	788	787	823	785	3183	7534	
1600	1234	1251	1390	1404	5279	771	764	901	873	3309	8588	
1700	1591	1555	1342	1268	5756	1022	952	914	841	3729	9485	
1800	1353	1278	1132	966	4729	773	759	672	553	2757	7486	
1900	933	789	715	628	3065	525	478	512	438	1953	5018	
2000	611	639	578	591	2419	444	397	395	374	1610	4029	
2100	603	636	562	440	2241	377	298	304	288	1267	3508	
2200	440	404	372	315	1531	233	241	229	165	868	2399	
2300	296	278	230	212	1016	159	118	122	115	514	1530	
24-HOUR TOTALS:					60157						57336	117493

	PEAK VOLUME INFORMATION						
	DIRECTION: E			DIRECTION: W		COMBINED DIRECTIONS	
	HOUR	VOLUME		HOUR	VOLUME	HOUR	VOLUME
A.M.	845	2980		700	5845	715	8581
P.M.	1630	5940		1645	3761	1630	9688
DAILY	1630	5940		700	5845	1630	9688



COUNTY: 77  
 STATION: 0266  
 DESCRIPTION: ON I-4, 0.146 MI. E OF SR-46 (RCLP) UC 2008  
 START DATE: 03/26/2012  
 START TIME: 1200

TIME	DIRECTION: E					DIRECTION: W					COMBINED TOTAL	
	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL		
0000	188	170	141	116	615	91	107	78	66	342	957	
0100	120	117	102	79	418	58	51	72	47	228	646	
0200	70	90	65	65	290	53	73	72	65	263	553	
0300	63	77	62	68	270	95	88	102	115	400	670	
0400	85	92	112	128	417	133	181	221	264	799	1216	
0500	116	150	174	228	668	350	482	605	708	2145	2813	
0600	302	401	473	487	1663	915	1169	1320	1329	4733	6396	
0700	557	636	669	646	2508	1470	1495	1580	1349	5894	8402	
0800	646	720	657	676	2699	1434	1305	1231	994	4964	7663	
0900	636	737	741	736	2850	893	970	945	812	3620	6470	
1000	772	768	788	810	3138	743	796	798	740	3077	6215	
1100	813	826	748	815	3202	786	762	740	688	2976	6178	
1200	888	806	880	746	3320	755	743	768	731	2997	6317	
1300	828	837	801	878	3344	725	717	776	752	2970	6314	
1400	855	877	938	990	3660	739	760	861	776	3136	6796	
1500	956	1071	1105	1156	4288	789	812	802	742	3145	7433	
1600	1318	1311	1429	1379	5437	835	814	860	869	3378	8815	
1700	1556	1575	1411	1355	5897	957	935	882	764	3538	9435	
1800	1300	1232	1096	834	4462	792	756	617	578	2743	7205	
1900	823	714	671	637	2845	479	525	527	486	2017	4862	
2000	634	657	604	559	2454	438	404	380	347	1569	4023	
2100	615	544	468	437	2064	337	325	293	259	1214	3278	
2200	394	365	371	285	1415	238	245	194	164	841	2256	
2300	268	288	239	246	1041	154	124	150	117	545	1586	
24-HOUR TOTALS:					58965						57534	116499

	PEAK VOLUME INFORMATION						
	DIRECTION: E			DIRECTION: W		COMBINED DIRECTIONS	
	HOUR	VOLUME		HOUR	VOLUME	HOUR	VOLUME
A.M.	845	2790		700	5894	715	8455
P.M.	1630	5939		1645	3643	1645	9564
DAILY	1630	5939		700	5894	1645	9564

COUNTY: 79  
 STATION: 0484  
 DESCRIPTION: ON I-4, 0.337 MI E. OF ST. JOHNS RIVER BRIDGE (ITS  
 START DATE: 08/15/2012  
 START TIME: 0000

TIME	DIRECTION: E					DIRECTION: W					COMBINED TOTAL	
	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL		
0000	194	191	161	136	682	97	104	85	71	357	1039	
0100	106	62	53	54	275	52	1	0	0	53	328	
0200	34	42	284	74	434	0	162	67	70	299	733	
0300	79	85	42	86	292	62	86	98	97	343	635	
0400	82	76	79	117	354	121	156	191	232	700	1054	
0500	102	169	186	216	673	288	430	554	690	1962	2635	
0600	264	346	464	389	1463	720	1062	1201	1322	4305	5768	
0700	535	638	748	629	2550	1257	1407	1475	1407	5546	8096	
0800	614	599	646	613	2472	1165	1174	1062	1016	4417	6889	
0900	570	697	626	632	2525	898	836	833	826	3393	5918	
1000	630	645	672	676	2623	813	766	829	775	3183	5806	
1100	640	680	737	705	2762	706	763	738	726	2933	5695	
1200	744	718	712	702	2876	675	691	821	737	2924	5800	
1300	746	726	701	516	2689	802	729	781	738	3050	5739	
1400	732	948	983	924	3587	631	622	921	753	2927	6514	
1500	903	974	1072	1085	4034	711	729	794	797	3031	7065	
1600	756	684	810	851	3101	832	801	780	812	3225	6326	
1700	1031	1175	1226	1332	4764	813	840	845	843	3341	8105	
1800	1314	1263	1293	1284	5154	767	709	671	596	2743	7897	
1900	1094	1017	788	751	3650	521	515	538	507	2081	5731	
2000	692	641	554	537	2424	384	365	367	380	1496	3920	
2100	558	543	526	481	2108	347	328	322	305	1302	3410	
2200	400	381	322	301	1404	261	228	222	205	916	2320	
2300	309	266	241	238	1054	191	172	174	144	681	1735	
24-HOUR TOTALS:					53950						55208	109158

	DIRECTION: E		DIRECTION: W		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	715	2629	700	5546	700	8096
P.M.	1745	5202	1700	3341	1715	8342
DAILY	1745	5202	700	5546	1715	8342

COUNTY: 79  
 STATION: 0484  
 DESCRIPTION: ON I-4, 0.337 MI E. OF ST. JOHNS RIVER BRIDGE (ITS  
 START DATE: 05/16/2012  
 START TIME: 0000

TIME	DIRECTION: E					DIRECTION: W					COMBINED TOTAL	
	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL		
0000	185	189	146	121	641	84	98	90	75	347	988	
0100	113	104	102	90	409	66	44	54	55	219	628	
0200	73	80	65	85	303	54	43	53	81	231	534	
0300	83	62	69	75	289	71	75	93	114	353	642	
0400	88	72	105	115	380	124	188	233	238	783	1163	
0500	114	162	181	207	664	283	398	555	624	1860	2524	
0600	265	346	446	475	1532	783	1026	1279	1252	4340	5872	
0700	510	619	710	608	2447	1264	1412	1483	1309	5468	7915	
0800	592	641	552	604	2389	1208	1144	1094	927	4373	6762	
0900	547	580	724	626	2477	812	909	832	814	3367	5844	
1000	611	612	603	660	2486	719	711	741	693	2864	5350	
1100	631	645	610	613	2499	700	715	655	643	2713	5212	
1200	667	685	694	686	2732	598	705	678	675	2656	5388	
1300	711	673	723	711	2818	616	679	693	627	2615	5433	
1400	701	790	826	848	3165	681	730	777	758	2946	6111	
1500	864	815	985	1008	3672	672	681	725	714	2792	6464	
1600	1077	1133	1175	1186	4571	654	676	703	696	2729	7300	
1700	1142	1227	1221	1220	4810	739	768	827	767	3101	7911	
1800	1098	914	962	886	3860	702	644	528	497	2371	6231	
1900	876	893	774	630	3173	429	410	366	326	1531	4704	
2000	584	556	557	460	2157	324	311	353	298	1286	3443	
2100	545	503	428	371	1847	296	276	302	282	1156	3003	
2200	351	407	284	310	1352	216	223	206	162	807	2159	
2300	291	255	216	193	955	115	78	54	49	296	1251	
24-HOUR TOTALS:					51628						51204	102832

	DIRECTION: E		DIRECTION: W		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	730	2551	700	5468	715	7941
P.M.	1700	4810	1700	3101	1700	7911
DAILY	1700	4810	700	5468	715	7941

COUNTY: 79  
 STATION: 0484  
 DESCRIPTION: ON I-4, 0.337 MI E. OF ST. JOHNS RIVER BRIDGE (ITS  
 START DATE: 04/18/2012  
 START TIME: 0000

TIME	DIRECTION: E					DIRECTION: W					COMBINED TOTAL	
	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL		
0000	197	207	177	118	699	107	72	75	62	316	1015	
0100	104	94	92	93	383	79	62	60	56	257	640	
0200	81	77	77	95	330	55	63	57	62	237	567	
0300	60	57	71	73	261	72	88	118	109	387	648	
0400	79	98	118	130	425	106	178	204	222	710	1135	
0500	125	159	208	234	726	293	415	555	631	1894	2620	
0600	259	333	433	509	1534	756	1035	1237	1349	4377	5911	
0700	548	590	692	607	2437	1248	1370	1453	1369	5440	7877	
0800	625	643	597	641	2506	1235	1191	1095	1022	4543	7049	
0900	598	666	651	652	2567	898	873	877	811	3459	6026	
1000	598	671	696	648	2613	743	731	775	705	2954	5567	
1100	689	673	691	694	2747	673	665	644	708	2690	5437	
1200	663	727	718	680	2788	641	687	676	696	2700	5488	
1300	717	694	735	703	2849	677	658	645	637	2617	5466	
1400	792	777	834	851	3254	642	729	726	739	2836	6090	
1500	920	917	1025	1110	3972	715	755	798	672	2940	6912	
1600	1143	1285	1285	1405	5118	719	703	747	758	2927	8045	
1700	1352	1506	1361	1241	5460	759	907	839	834	3339	8799	
1800	1075	1206	982	819	4082	725	675	623	483	2506	6588	
1900	763	740	694	623	2820	477	488	404	401	1770	4590	
2000	588	576	543	544	2251	338	385	365	316	1404	3655	
2100	534	541	520	465	2060	317	299	298	262	1176	3236	
2200	416	377	314	284	1391	241	218	193	212	864	2255	
2300	310	303	239	248	1100	183	155	134	96	568	1668	
24-HOUR TOTALS:					54373						52911	107284

	PEAK VOLUME INFORMATION					
	DIRECTION: E		DIRECTION: W		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	730	2567	700	5440	715	7941
P.M.	1645	5624	1700	3339	1645	8887
DAILY	1645	5624	700	5440	1645	8887

COUNTY: 79  
 STATION: 1003  
 DESCRIPTION: ON I-4, 1.236 MI. W OF SR-472 (ITS)  
 START DATE: 08/15/2012  
 START TIME: 0000

TIME	DIRECTION: E					DIRECTION: W					COMBINED TOTAL	
	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL		
0000	128	121	116	107	472	102	95	93	66	356	828	
0100	92	77	37	39	245	32	437	127	49	645	890	
0200	34	37	232	80	383	55	46	68	69	238	621	
0300	79	79	59	23	240	53	76	76	78	283	523	
0400	124	93	89	118	424	93	121	147	160	521	945	
0500	130	177	214	214	735	215	265	328	401	1209	1944	
0600	291	344	476	469	1580	488	626	703	743	2560	4140	
0700	541	689	797	720	2747	761	836	922	850	3369	6116	
0800	626	593	586	568	2373	828	731	728	731	3018	5391	
0900	559	582	642	598	2381	656	665	621	621	2563	4944	
1000	565	630	629	628	2452	630	596	682	633	2541	4993	
1100	567	596	623	628	2414	602	620	627	552	2401	4815	
1200	628	638	579	664	2509	587	601	654	620	2462	4971	
1300	571	625	620	502	2318	624	623	609	671	2527	4845	
1400	461	688	758	709	2616	615	617	649	607	2488	5104	
1500	709	697	736	749	2891	641	686	687	721	2735	5626	
1600	611	467	476	544	2098	722	666	772	765	2925	5023	
1700	563	752	730	793	2838	835	850	826	840	3351	6189	
1800	811	887	851	820	3369	661	639	607	508	2415	5784	
1900	798	740	587	477	2602	435	498	462	410	1805	4407	
2000	434	405	371	373	1583	367	351	318	320	1356	2939	
2100	321	373	337	318	1349	307	292	276	245	1120	2469	
2200	286	286	257	220	1049	241	204	212	164	821	1870	
2300	210	189	174	178	751	165	173	153	123	614	1365	
24-HOUR TOTALS:					42419						44323	86742

	DIRECTION: E		DIRECTION: W		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	715	2832	715	3436	715	6268
P.M.	1800	3369	1700	3351	1715	6263
DAILY	1800	3369	715	3436	715	6268

COUNTY: 79  
 STATION: 1003  
 DESCRIPTION: ON I-4, 1.236 MI. W OF SR-472 (ITS)  
 START DATE: 04/18/2012  
 START TIME: 0000

TIME	DIRECTION: E					DIRECTION: W					COMBINED TOTAL	
	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL		
0000	152	134	137	104	527	85	78	61	79	303	830	
0100	86	78	61	78	303	59	65	63	54	241	544	
0200	78	69	88	77	312	47	62	72	45	226	538	
0300	63	53	67	77	260	73	89	85	93	340	600	
0400	80	94	149	135	458	108	137	136	162	543	1001	
0500	150	173	195	235	753	197	266	354	397	1214	1967	
0600	286	347	451	490	1574	476	717	730	746	2669	4243	
0700	601	658	767	702	2728	792	773	916	808	3289	6017	
0800	610	638	621	595	2464	766	726	725	687	2904	5368	
0900	577	648	601	610	2436	661	643	646	611	2561	4997	
1000	590	596	628	581	2395	560	633	599	554	2346	4741	
1100	622	589	632	600	2443	566	548	594	575	2283	4726	
1200	588	570	587	578	2323	538	586	601	546	2271	4594	
1300	554	591	560	565	2270	541	532	562	576	2211	4481	
1400	574	585	636	658	2453	569	637	635	615	2456	4909	
1500	658	677	656	722	2713	640	665	699	610	2614	5327	
1600	765	796	822	870	3253	639	673	651	689	2652	5905	
1700	819	942	890	760	3411	749	803	833	754	3139	6550	
1800	713	710	680	606	2709	614	610	499	448	2171	4880	
1900	556	464	476	417	1913	425	409	389	342	1565	3478	
2000	368	381	335	371	1455	352	365	315	282	1314	2769	
2100	337	364	348	302	1351	291	267	309	238	1105	2456	
2200	277	289	242	203	1011	234	200	189	206	829	1840	
2300	201	202	182	149	734	154	159	133	100	546	1280	
24-HOUR TOTALS:					42249						41792	84041

	DIRECTION: E		DIRECTION: W		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	715	2737	700	3289	700	6017
P.M.	1645	3521	1700	3139	1645	6595
DAILY	1645	3521	700	3289	1645	6595

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