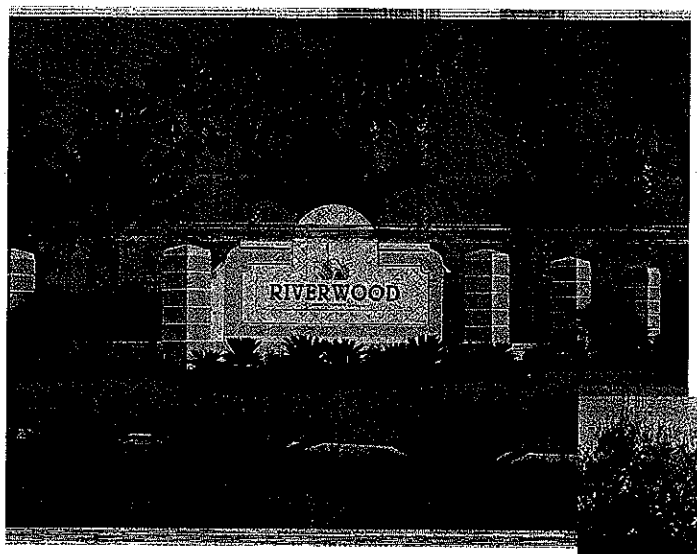
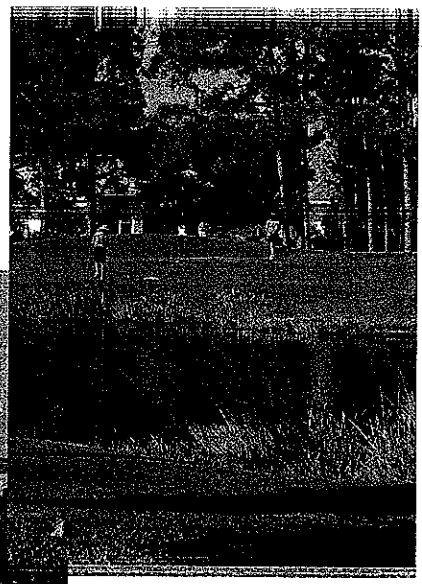
TECHNICAL MEMORANDUM

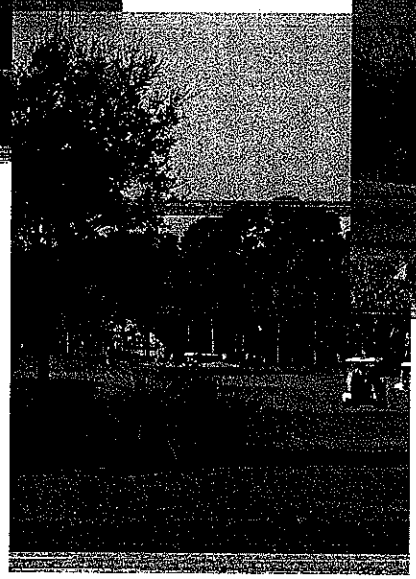
Riverwood DRI

Charlotte County, Florida

ANNUAL TRAFFIC MONITORING REPORT







Prepared by:
Florida Transportation Engineering, Inc.

◆ Punta Gorda ◆ Miami

February 2005

Table of Contents

		Page
List of Figures		ii
List of Tables		ii
List of Appendices		ii
1.0	Introduction	1
2.0	Data Collection	3
3.0	Traffic Adjustments	4
4.0	Traffic Analysis	4
5.0	Signal Warrant Analysis	8
6.0	Conclusion	12
Appendix		

List of Figures

		Page
Figure 1	Traffic Count Location Map	2

List of Tables

		Page
Table 1	Roadway Level of Service Analysis	5
Table 2	Intersection Level of Service Analysis	7

List of Appendices

Appendix A	48-Hour Directional Volume Counts
Appendix B	Condition Diagrams
	Turning Movement Counts
Appendix C	FDOT Adjustment Factors
	2005 Adjusted Turning Movement Volumes
Appendix D	Signal Timing
	2005 HCS Analyses
Appendix E	Delay Study Worksheets
	Signal Warrant Study Summary Worksheets

1.0 Introduction

A traffic monitoring report is required annually for Riverwood Development of Regional Impact Increments I and II located in Charlotte County, Florida. The monitored requirements were identified in the development order, Resolution No. 90-286 and Resolution No. 97-0030A0. A traffic count location map is provided as Figure 1.

The majority of the mitigation for Increment I, identified in Exhibit 4 - Capital Road Facilities Plan, has been completed. Signalization of the project entrance with SR 776 has not been completed. A Signal warrant study was conducted at the project entrance, based on the analysis signal is warranted with fairly close to minimum threshold. When signalization is approved by FDOT, the traffic signal will be designed and constructed. At the completion of this improvement, the concurrency obligations for Riverwood Increment I shall be satisfied for transportation impacts.

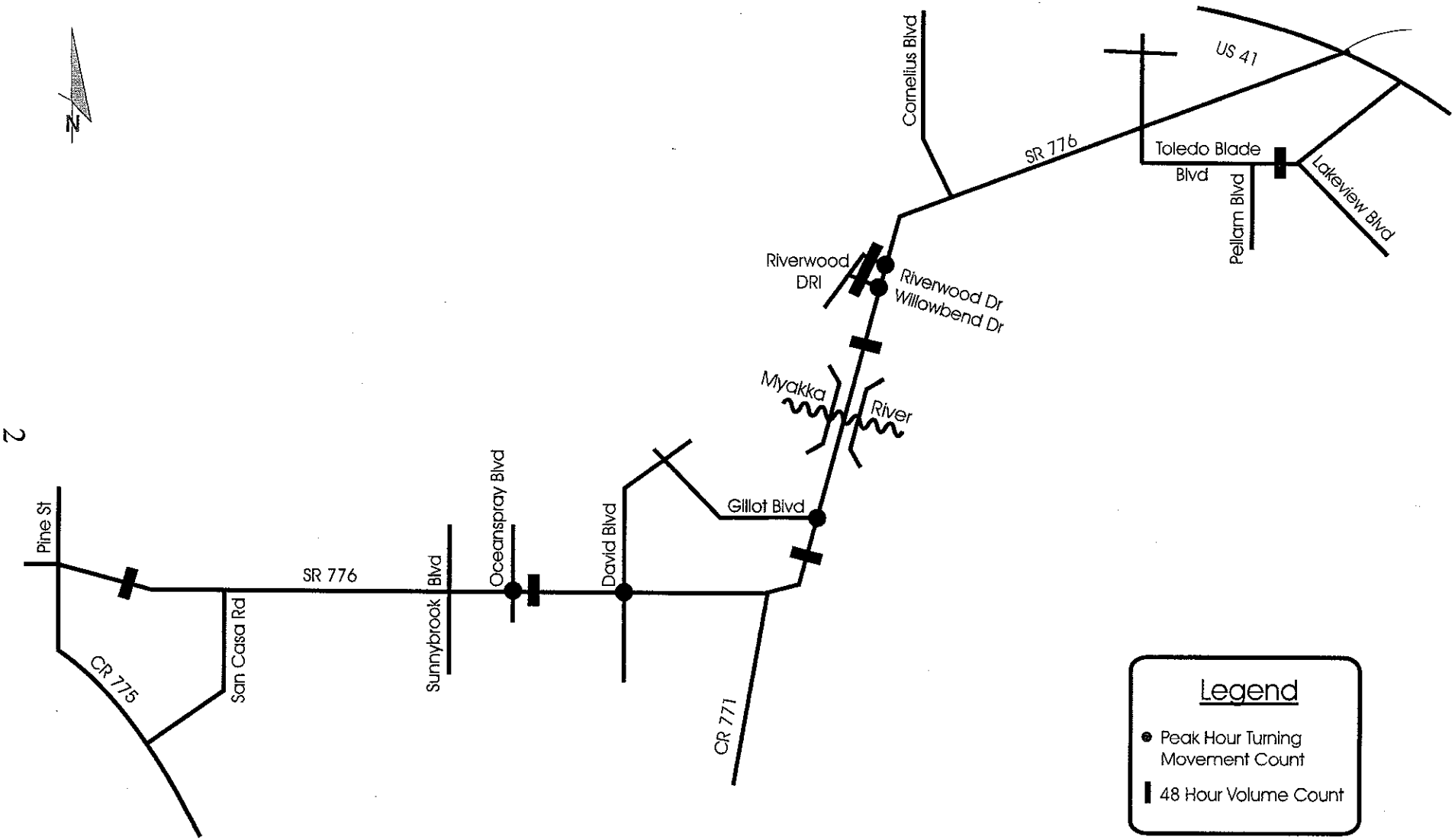
In regards to monitoring of intersections and roadway segments, the following roadway improvements have been completed by FDOT or Charlotte County:

1. US 41 was widened south of Toledo Blade Boulevard
2. Veterans Boulevard was constructed east of US 41
3. SR 776 was widened from US 41 to Pine Street

The mitigation for Increment II was compliant with the Charlotte County Impact Fee Ordinance and a lump sum payment. Riverwood will pay the impact fees as development occurs until build out.

This report contains roadway level of service (LOS) analyses and intersection LOS analyses for SR 776 and for Toledo Blade Boulevard.

Figure 1



Riverwood DRI
Annual Traffic Monitoring Report

Traffic Count Location Map

2.0 Data Collection

Forty-eight hour directional volume counts were conducted at seven locations identified below. January 18, 2005 to January 20, 2005:

- Toledo Blade from Pellam to Lakeview (Under Construction)
- SR 776 from Willowbend Drive to Gillot Boulevard
- SR 776 from Gillot Boulevard to CR 771
- SR 776 from CR 771 to Sunnybrook Boulevard
- SR 776 from San Casa Road to Pine Street
- Willowbend Drive (Project Entrance West)
- Riverwood Drive (Project Entrance East)

The 48-hour directional volume counts are provided in Appendix A.

Four-hour turning movement counts were collected at four intersections during the AM peak period (7:00AM - 9:00AM) and the PM peak period (4:00PM - 6:00PM). Eight-hour turning movement count was collected at SR 776 and Riverwood Drive. The turning movement counts were collected at the following locations from February 1 through 3, 2005:

- SR 776 and Riverwood Drive (Project Entrance East)
- SR 776 and Willowbend Drive (Project Entrance West)
- SR 776 and Gillot Boulevard
- SR 776 and David Boulevard
- SR 776 and Oceanspray Boulevard

The intersection SR 776 and Gillot Boulevard is currently signalized. The other four intersections are currently unsignalized. Condition diagrams showing the intersection configuration were prepared at all five intersections. The condition diagrams and turning movement counts are provided in Appendix B.

3.0 Traffic Adjustments

The raw turning movement counts collected in February 2005 were adjusted to peak season conditions using the Peak Season Factor of 1.04 for February 1, 2005 counts and 1.02 for others counts. The FDOT adjustment factors and the 2005 adjusted turning movement volumes are provided in Appendix C.

The 48-hour directional volume counts collected in January 2005 were averaged to obtain the Average Daily Traffic (ADT). The ADT's were then adjusted for trucks by applying the FDOT axle adjustment factor of 0.97 for SR 776 from Willowbend Drive to CR 771 and 0.98 for SR 776 from CR 771 to Pine Street. The ADTs were then converted to peak season conditions using the Peak Season Factor of 1.09.

4.0 Traffic Analysis

The roadway level of service analysis was performed using the Level of Service (LOS) Tables obtained from Charlotte County Comprehensive Plan. The intersection level of service analyses were performed utilizing the procedures in the Highway Capacity Manual.

Roadway LOS Analysis

The roadway segments on SR 776 were analyzed utilizing the Level of Service (LOS) Tables obtained from Charlotte County Comprehensive Plan. The peak season traffic volumes for the AM peak hour and the PM peak hour were analyzed. The roadway LOS analyses are summarized in Table 1.

Table 1
Roadway Level of Service

AM Peak Hour

Roadway	From	To	Unadjusted Peak Hour Traffic				Average Peak Hour Traffic			Axle Adjust. Factor	Peak Season Adjust. Factor	Peak Season Peak Hour Traffic	Adopted Service Volume	Level of Service
			EB 2005		WB 2005		EB	WB	2-WAY					
			01/18/05	01/19/05	01/18/05	01/19/05								
SR 776	Project Entrance	Gillot Blvd.	1089	1271	1093	1118	1180	1106	2286	0.97	1.090	2416	2470	C
	Gillot Blvd.	CR 771	1132	1117	1073	1083	1125	1078	2203	0.97	1.090	2329	2470	C
	CR 771	Sunnybrook Blvd	943	960	864	879	952	872	1823	0.98	1.090	1947	2470	C
	San Casa Road	Pine Street	1593	1526	1575	1422	1560	1499	3058	0.98	1.090	3267	2470	E

PM Peak Hour

Roadway	From	To	Unadjusted Peak Hour Traffic				Average Peak Hour Traffic			Axle Adjust. Factor	Peak Season Adjust. Factor	Peak Season Peak Hour Traffic	Adopted Service Volume	Level of Service
			EB 2005		WB 2005		EB	WB	2-WAY					
			01/18/05	01/19/05	01/18/05	01/19/05								
SR 776	Project Entrance	Gillot Blvd.	1350	1163	1485	1288	1257	1387	2643	0.97	1.090	2794	2470	D
	Gillot Blvd.	CR 771	1309	1566	1270	1573	1438	1422	2859	0.97	1.090	3023	2470	D
	CR 771	Sunnybrook Blvd	963	895	1035	1538	929	1287	2216	0.98	1.090	2367	2470	C
	San Casa Road	Pine Street	1682	1701	1612	1598	1692	1605	3297	0.98	1.090	3521	2470	F

* Toledo Blade Blvd from Pellam Blvd. to Lakeview Blvd. is Under Construction

*Level of Service A= 230, B=1400, C=2470, D=3110, E=3270

As shown in Table 1, the all roadway segments currently operate at acceptable levels of service except the segment of SR 776 from San Casa Road to Pine Street which operates at LOS "F" in the PM peak hour.

The segment of SR 776 from San Casa Road to Pine Street is 4-laned and has experienced development growth within the last few years.

Intersection LOS Analysis

The intersection levels of service at the five intersections on SR 776 were determined using the most current Highway Capacity Software (HCS). The HCS analyses were performed for both AM and PM peak hours.

The HCS analyses are summarized in Table 2. As shown in Table 2, all intersections operate at LOS "C" or better for the major street (SR 776) movements. The delays experienced at these intersections are primarily by side street traffic. When these intersections warrant a traffic signal, and traffic signals are installed, these intersections should operate at acceptable levels of service. A signal warrant study was performed at the intersection of SR 776 and Riverwood Drive, which is discussed in the following section.

The signal timing and the HCS worksheets are provided in Appendix D.

Table 2
Intersection Level of Service

Intersection	Approach	AM Peak Hour		PM Peak Hour	
		Delay	LOS	Delay	LOS
SR 776 and Riverwood Dr. *	NA	18.4	B	28.1	C
SR 776 and Riverwood Dr. **	EB	12.0	B	14.7	B
	SB	1032	F	1286	F
SR 776 and Willowbend Dr.	EBLT	11.7	B	18.2	C
	SBRT	14.4	B	19.9	C
SR 776 and Gillot Blvd.	N.A.	27.7	C	28.7	C
SR 776 and David Blvd.	EBLT	10.1	B	10.8	B
	WBLT	9.4	A	10.3	B
	NB	58.2	F	250.7	F
	SB	39.6	E	152.8	F
SR 776 and Oceanspray Blvd.	EBLT	10.6	B	10.4	A
	WBLT	9.2	A	11.6	A
	NB	160.0	F	-	F
	SB	169.8	F	-	F

*** Analyzed as a signalized intersection**
**** Analyzed as a unsignalized intersection**

5.0 Warrant Analysis

The signal warrant analysis for the intersection of SR 776 and Riverwood Drive was conducted by completing the Traffic Signal Warrant Summary Forms taken from FDOT's Manual on Uniform Traffic Studies (MUTS), January 2000 Edition (Revised, March 2003). The Traffic Signal Warrant Summary Forms provide a useful tool for evaluating the signal warrants. The eight warrants conform to the warrants established by the Federal Highway Administration, which are documented in the Manual on Uniform Traffic Control Devices, Millennium Edition (MUTCD 2000). Traffic signals should not be installed unless one or more of these warrants are satisfied. Because these are minimum requirements, satisfaction of a warrant is not necessarily justification or a mandate for a traffic signal. Delay, congestion, crash experience, confusion, or other evidence of the need for right-of-way assignment must be shown. Geometric changes, which may eliminate the need for a signal, should be considered.

The MUTCD provides for a 30 percent reduction in the minimum vehicular volume requirements for Warrants 1 and 2 if (a) the posted or statutory speed limit or the 85th percentile speed on the major street exceeds 70 km/h (40 mph) or if (b) the intersection lies within the built-up area of an isolated community having a population of less than 10,000. The posted speed limit on SR 776 within the study area is 55 mph. Therefore, the reduction was applied to the volume thresholds for Warrants 1 and 2.

Section 4C-01 of the MUTCD stipulates that in the case of a side street approach with one lane plus a right turn lane, the degree of conflict of minor-street right-turn traffic with traffic on the major street should be considered. Thus, right-turn traffic should not be included in the minor-street volume if the movement enters the major street with minimal conflict. Furthermore, the approach should be evaluated as a one-lane approach with only the traffic volume in the through/left-turn lane considered. Since this is the scenario observed at the southbound approach to the intersection under study, the right-turn volume was excluded from the minor-street approach volume, and the approach was evaluated as a one-lane approach.

The complete Signal Warrants Summary Forms that includes the performed analysis are provided in Appendix E. A summary of the Signal Warrant Analysis is as follows.

Warrant 1, Eight-Hour Vehicular Volume

This warrant is satisfied when the existing traffic volumes at the intersection meets or exceeds the specified minimum volumes for any eight hours of an average day for Condition A, Minimum Vehicular Volumes, or Condition B, Interruption of Continuous Traffic.

Condition A

Based on our analysis scenario, the minimum number of vehicles per hour on the major and minor streets should be 420 and 105 respectively. The eight-hour turning movement counts were adjusted for seasonal volumes by multiplying with a seasonal factor of 0.94. The condition A is satisfied.

Condition B

Based on the intersection delay study, the delay for the minor street is not significantly high during the PM peak hour. Therefore, Condition B is not applicable.

Warrant 1 is satisfied.

Warrant 2, Four-Hour Vehicular Volume

This warrant is satisfied when, for any four hours of an average day, the plotted points representing the vehicles per hour on the major street and the corresponding vehicles per hour on the higher-volume minor-street approach all fall above the applicable curve.

Based on our analysis scenario, all four hours fall above the applicable curve, and therefore, ***Warrant 2 is satisfied.***

Warrant 3, Peak Hour

This warrant is applied only in unusual cases. Such cases include, but are not limited to, office

complexes, manufacturing plants, industrial complexes, or high-occupancy vehicle facilities that attract or discharge large numbers of vehicles over a short time. The warrant is satisfied when the plotted point representing the vehicles per hour on the major street and the corresponding vehicles per hour on the higher-volume minor-street approach for one hour of an average day falls above the applicable curve.

Based on the adjacent land uses, ***Warrant 3 is not applicable.***

Warrant 4, Pedestrian Volume

This warrant is analyzed when the traffic volume on a major street is so heavy that pedestrians experience excessive delay in crossing the major street.

Since the pedestrian volume crossing the major street is not significant, ***Warrant 4 is not applicable.***

Warrant 5, School Crossing

This warrant is analyzed when school children crossing the major street are the principal reason to consider installing a traffic control signal.

At this intersection, school crossing is not an issue and therefore, ***Warrant 5 is not applicable.***

Warrant 6, Coordinated Signal System

This warrant is used when progressive movement of traffic is a consideration. This warrant should not be applied where the resulting spacing of traffic control signals would be less than 300 m (1,000 ft).

At this intersection, ***Warrant 6 is not applicable.***

Warrant 7, Crash Experience

This warrant is applied when the severity and frequency of crashes are the principal reasons to

consider installing a traffic control signal. The warrant is satisfied if all three of the criteria are fulfilled.

A. Adequate trial of other remedial measure has failed to reduce crash frequency.
B. Five or more reported crashes, of types susceptible to correction by signal, have occurred within a 12-month period.
C. If Warrant 1 (Condition A or B) or Warrant 4, are 80 percent satisfied.

As per discussion with the Charlotte County Staff, there were 3 crashes occurred with in the last 12-month period. Out of the three crashes only one (left turn) crash would be susceptible to correction by a signal.

Based on the analysis, ***Warrant 7 is not satisfied.***

Warrant 8, Roadway Network

This warrant is satisfied when the common intersection of two or more major routes has a total existing volume on all approaches of at least 1,000 vehicles per hour during the peak hour.

Based on our analysis scenario, ***Warrant 8 is not applicable.***

Based on the signal warrant study a traffic signal is recommended at the Riverwood project entrance.

6.0 Conclusion

All the intersections and roadway segments identified in Resolution No. 90-286 were analyzed.

The roadway section on Toledo Blade Boulevard from Pellam Boulevard to Lakeview Boulevard is currently under construction. Therefore, this section will be analyzed once the construction is completed. The roadway section monitored on SR 776 between San Casa Road and Pine Street is deficient. This segment has experienced development growth within the last few years.

All intersections operate at LOS "C" or better for the major street (SR 776) movements. The delays experienced at these intersections are primarily by side street traffic. When these intersections warrant a traffic signal, and traffic signals are installed, these intersections should operate at acceptable levels of service. A signal warrant study was performed at the project entrance on SR 776 at the intersection of SR 776 and Riverwood Drive. Based on the warrant study, a signal is warranted at this intersection.

Based on the analyses performed, and the work being performed by FDOT or Charlotte County, no off-site improvements are required. When signalization is approved by FDOT, the traffic signal will be designed and constructed at the intersection of SR 776 and Riverwood Drive. At the completion of this improvement, the concurrency obligations for Riverwood Increment I shall be satisfied for transportation impacts.

APPENDIX A

48-hour Directional Volume Counts

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140132800000
Station ID: 010002121100

Charlotte
Riverwood Dr Project Ent

Latitude: 0' 0.000 South

Start Time	18-Jan-05 Tue	NB Morning	NB Afternoon	Hour Totals Morning	Hour Totals Afternoon	SB Morning	SB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		*	26			*	34				
12:15		*	27			*	19				
12:30		*	30			*	25				
12:45		*	21	0	104	*	19	0	97	0	201
01:00		*	20			*	31				
01:15		*	23			*	23				
01:30		*	22			*	32				
01:45		*	22	0	87	*	31	0	117	0	204
02:00		*	25			*	25				
02:15		*	29			*	24				
02:30		*	30			*	31				
02:45		*	23	0	107	*	24	0	104	0	211
03:00		*	19			*	28				
03:15		*	31			*	28				
03:30		*	26			*	28				
03:45		*	24	0	100	*	20	0	104	0	204
04:00		*	19			*	23				
04:15		*	21			*	17				
04:30		*	31			*	12				
04:45		*	31	0	102	*	19	0	71	0	173
05:00		*	25			*	12				
05:15		*	34			*	15				
05:30		*	18			*	16				
05:45		*	20	0	97	*	12	0	55	0	152
06:00		0	13			8	8				
06:15		1	23			7	10				
06:30		4	15			6	8				
06:45		5	9	10	60	9	6	30	32	40	92
07:00		5	17			14	10				
07:15		10	16			27	2				
07:30		8	14			26	4				
07:45		9	14	32	61	25	5	92	21	124	82
08:00		7	11			27	5				
08:15		8	8			24	6				
08:30		15	6			24	4				
08:45		19	8	49	33	27	3	102	18	151	51
09:00		14	12			26	1				
09:15		20	8			31	1				
09:30		11	7			24	1				
09:45		17	6	62	33	39	2	120	5	182	38
10:00		12	4			14	0				
10:15		13	1			36	0				
10:30		23	1			17	1				
10:45		19	2	67	8	27	1	94	2	161	10
11:00		20	0			18	0				
11:15		19	3			35	1				
11:30		28	1			20	0				
11:45		21	2	88	6	18	0	91	1	179	7
Total		308	798			529	627			837	1425
Percent		27.8%	72.2%			45.8%	54.2%			37.0%	63.0%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140132800000
Station ID: 010002121100

Charlotte
Riverwood Dr Project Ent

Latitude: 0' 0.000 South

Start Time	19-Jan-05 Wed	NB Morning	NB Afternoon	Hour Totals Morning	Hour Totals Afternoon	SB Morning	SB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	24			0	26				
12:15		1	26			0	29				
12:30		2	27			4	21				
12:45		0	23	3	100	0	27	4	103	7	203
01:00		3	30			0	27				
01:15		2	16			1	40				
01:30		0	21			0	28				
01:45		0	21	5	88	0	24	1	119	6	207
02:00		0	31			0	21				
02:15		0	19			0	26				
02:30		2	19			1	28				
02:45		0	26	2	95	0	34	1	109	3	204
03:00		0	23			1	28				
03:15		1	29			1	18				
03:30		0	32			0	19				
03:45		1	39	2	123	0	25	2	90	4	213
04:00		1	31			0	23				
04:15		1	26			3	12				
04:30		0	30			0	22				
04:45		0	25	2	112	2	19	5	76	7	188
05:00		1	27			0	16				
05:15		0	27			2	17				
05:30		3	27			2	13				
05:45		8	23	12	104	4	11	8	57	20	161
06:00		1	28			9	15				
06:15		1	18			9	15				
06:30		2	18			7	16				
06:45		5	9	9	73	10	11	35	57	44	130
07:00		6	15			20	17				
07:15		4	13			23	5				
07:30		11	16			21	5				
07:45		18	15	39	59	30	4	94	31	133	90
08:00		18	15			18	1				
08:15		8	17			26	4				
08:30		11	10			23	2				
08:45		8	12	45	54	28	1	95	8	140	62
09:00		13	11			23	8				
09:15		14	10			19	2				
09:30		18	8			33	2				
09:45		18	4	63	33	27	2	102	14	165	47
10:00		17	10			30	0				
10:15		11	7			39	1				
10:30		23	3			25	0				
10:45		17	0	68	20	31	2	125	3	193	23
11:00		19	2			26	1				
11:15		16	0			26	0				
11:30		35	3			27	1				
11:45		26	3	96	8	21	0	100	2	196	10
Total		346	869			572	669			918	1538
Percent		28.5%	71.5%			46.1%	53.9%			37.4%	62.6%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140132800000
Station ID: 010002121100

Charlotte
Riverwood Dr Project Ent

Latitude: 0' 0.000 South

Start Time	20-Jan-05 Thu	NB Morning	NB Afternoon	Hour Totals Morning	Hour Totals Afternoon	SB Morning	SB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	*			0	*				
12:15		1	*			0	*				
12:30		2	*			0	*				
12:45		1	*	4	0	0	*	0	0	4	0
01:00		2	*			0	*				
01:15		1	*			1	*				
01:30		1	*			0	*				
01:45		1	*	5	0	1	*	2	0	7	0
02:00		0	*			0	*				
02:15		0	*			0	*				
02:30		1	*			0	*				
02:45		0	*	1	0	0	*	0	0	1	0
03:00		1	*			1	*				
03:15		2	*			0	*				
03:30		0	*			1	*				
03:45		1	*	4	0	0	*	2	0	6	0
04:00		1	*			2	*				
04:15		0	*			1	*				
04:30		1	*			2	*				
04:45		0	*	2	0	1	*	6	0	8	0
05:00		1	*			0	*				
05:15		0	*			4	*				
05:30		3	*			0	*				
05:45		*	*	4	0	*	*	4	0	8	0
06:00		*	*	*	*	*	*	*	*	*	*
06:15		*	*	*	*	*	*	*	*	*	*
06:30		*	*	*	*	*	*	*	*	*	*
06:45		*	*	*	*	*	*	*	*	*	*
07:00		*	*	*	*	*	*	*	*	*	*
07:15		*	*	*	*	*	*	*	*	*	*
07:30		*	*	*	*	*	*	*	*	*	*
07:45		*	*	*	*	*	*	*	*	*	*
08:00		*	*	*	*	*	*	*	*	*	*
08:15		*	*	*	*	*	*	*	*	*	*
08:30		*	*	*	*	*	*	*	*	*	*
08:45		*	*	*	*	*	*	*	*	*	*
09:00		*	*	*	*	*	*	*	*	*	*
09:15		*	*	*	*	*	*	*	*	*	*
09:30		*	*	*	*	*	*	*	*	*	*
09:45		*	*	*	*	*	*	*	*	*	*
10:00		*	*	*	*	*	*	*	*	*	*
10:15		*	*	*	*	*	*	*	*	*	*
10:30		*	*	*	*	*	*	*	*	*	*
10:45		*	*	*	*	*	*	*	*	*	*
11:00		*	*	*	*	*	*	*	*	*	*
11:15		*	*	*	*	*	*	*	*	*	*
11:30		*	*	*	*	*	*	*	*	*	*
11:45		*	*	*	*	*	*	*	*	*	*
Total		20	0			14	0			34	0
Percent		100.0%	0.0%			100.0%	0.0%			100.0%	0.0%
Grand Total		674	1667			1115	1296			1789	2963
Percent		28.8%	71.2%			46.2%	53.8%			37.6%	62.4%

ADT Not Calculated

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140132300000
Station ID: 010004321100

Charlotte
SR 776 from Willowbend DR TO Gillot

Latitude: 0' 0.000 South

Start Time	18-Jan-05 Tue	EB Morning	EB Afternoon	Hour Totals Morning	Hour Totals Afternoon	WB Morning	WB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		*	298			*	297				
12:15		*	299			*	303				
12:30		*	308			*	293				
12:45		*	289	0	1194	*	293	0	1186	0	2380
01:00		*	316			*	312				
01:15		*	307			*	300				
01:30		*	313			*	352				
01:45		*	304	0	1240	*	304	0	1268	0	2508
02:00		*	301			*	318				
02:15		*	349			*	323				
02:30		*	321			*	324				
02:45		*	319	0	1290	*	314	0	1279	0	2569
03:00		*	293			*	315				
03:15		*	331			*	329				
03:30		*	311			*	339				
03:45		*	373	0	1308	*	332	0	1315	0	2623
04:00		*	371			*	357				
04:15		*	355			*	414				
04:30		*	310			*	365				
04:45		*	314	0	1350	*	349	0	1485	0	2835
05:00		*	322			*	369				
05:15		*	373			*	385				
05:30		*	303			*	411				
05:45		*	259	0	1257	*	298	0	1463	0	2720
06:00		76	243			62	297				
06:15		122	253			132	272				
06:30		161	191			190	217				
06:45		212	160	571	847	248	218	632	1004	1203	1851
07:00		221	136			254	191				
07:15		245	119			258	185				
07:30		254	107			289	165				
07:45		243	75	963	437	245	121	1046	662	2009	1099
08:00		256	69			267	127				
08:15		265	76			257	139				
08:30		251	76			268	109				
08:45		242	47	1014	268	275	131	1067	506	2081	774
09:00		221	55			218	132				
09:15		232	66			247	109				
09:30		221	59			221	84				
09:45		213	69	887	249	263	89	949	414	1836	663
10:00		254	40			216	54				
10:15		245	33			233	45				
10:30		256	33			255	60				
10:45		265	24	1020	130	251	45	955	204	1975	334
11:00		264	16			267	40				
11:15		272	19			256	53				
11:30		291	14			296	23				
11:45		262	14	1089	63	274	18	1093	134	2182	197
Total		5544	9633			5742	10920			11286	20553
Percent		36.5%	63.5%			34.5%	65.5%			35.4%	64.6%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140132300000
Station ID: 010004321100

Charlotte
SR 776 From Willowbend DR TO Gillot

Latitude: 0' 0.000 South

Start	19-Jan-05	EB		Hour Totals		WB		Hour Totals		Combined Totals	
Time	Wed	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		13	248			17	299				
12:15		12	287			18	298				
12:30		12	299			16	300				
12:45		7	307	44	1141	14	252	65	1149	109	2290
01:00		8	288			13	323				
01:15		8	289			6	306				
01:30		11	286			6	291				
01:45		3	300	30	1163	5	306	30	1226	60	2389
02:00		3	290			4	301				
02:15		2	138			9	295				
02:30		10	26			3	327				
02:45		5	30	20	484	1	312	17	1235	37	1719
03:00		7	21			3	333				
03:15		4	26			4	303				
03:30		13	147			5	280				
03:45		7	274	31	468	11	321	23	1237	54	1705
04:00		7	297			6	298				
04:15		9	226			18	330				
04:30		20	269			22	304				
04:45		43	290	79	1082	24	356	70	1288	149	2370
05:00		49	272			24	350				
05:15		50	166			27	361				
05:30		72	313			37	324				
05:45		108	383	279	1134	52	274	140	1309	419	2443
06:00		105	325			65	267				
06:15		173	228			144	263				
06:30		203	198			174	229				
06:45		242	184	723	935	252	193	635	952	1358	1887
07:00		248	153			250	216				
07:15		365	132			271	194				
07:30		393	82			309	176				
07:45		382	75	1388	442	288	153	1118	739	2506	1181
08:00		320	79			266	134				
08:15		313	81			275	139				
08:30		347	96			229	145				
08:45		291	70	1271	326	229	134	999	552	2270	878
09:00		253	61			217	129				
09:15		246	66			230	107				
09:30		312	74			244	102				
09:45		311	63	1122	264	246	93	937	431	2059	695
10:00		282	32			217	81				
10:15		328	36			220	42				
10:30		264	33			228	53				
10:45		321	17	1195	118	239	45	904	221	2099	339
11:00		299	23			264	33				
11:15		321	25			277	45				
11:30		309	28			259	27				
11:45		316	22	1245	98	288	27	1088	132	2333	230
Total		7427	7655			6026	10471			13453	18126
Percent		49.2%	50.8%			36.5%	63.5%			42.6%	57.4%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140132300000
Station ID: 010004321100

Charlotte
SR 776 From Willowbend DR TO Gillot

Latitude: 0' 0.000 South

Start	20-Jan-05	EB		Hour Totals		WB		Hour Totals		Combined Totals	
Time	Thu	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		8	*			24	*				
12:15		12	*			15	*				
12:30		8	*			13	*				
12:45		8	*	36	0	7	*	59	0	95	0
01:00		7	*			6	*				
01:15		7	*			18	*				
01:30		12	*			12	*				
01:45		5	*	31	0	9	*	45	0	76	0
02:00		9	*			5	*				
02:15		6	*			6	*				
02:30		9	*			9	*				
02:45		4	*	28	0	0	*	20	0	48	0
03:00		14	*			5	*				
03:15		9	*			7	*				
03:30		10	*			4	*				
03:45		9	*	42	0	20	*	36	0	78	0
04:00		26	*			11	*				
04:15		16	*			8	*				
04:30		13	*			24	*				
04:45		32	*	87	0	26	*	69	0	156	0
05:00		45	*			21	*				
05:15		45	*			27	*				
05:30		82	*			47	*				
05:45		*	*	172	0	*	*	95	0	267	0
06:00		*	*	*	*	*	*	*	*	*	*
06:15		*	*	*	*	*	*	*	*	*	*
06:30		*	*	*	*	*	*	*	*	*	*
06:45		*	*	*	*	*	*	*	*	*	*
07:00		*	*	*	*	*	*	*	*	*	*
07:15		*	*	*	*	*	*	*	*	*	*
07:30		*	*	*	*	*	*	*	*	*	*
07:45		*	*	*	*	*	*	*	*	*	*
08:00		*	*	*	*	*	*	*	*	*	*
08:15		*	*	*	*	*	*	*	*	*	*
08:30		*	*	*	*	*	*	*	*	*	*
08:45		*	*	*	*	*	*	*	*	*	*
09:00		*	*	*	*	*	*	*	*	*	*
09:15		*	*	*	*	*	*	*	*	*	*
09:30		*	*	*	*	*	*	*	*	*	*
09:45		*	*	*	*	*	*	*	*	*	*
10:00		*	*	*	*	*	*	*	*	*	*
10:15		*	*	*	*	*	*	*	*	*	*
10:30		*	*	*	*	*	*	*	*	*	*
10:45		*	*	*	*	*	*	*	*	*	*
11:00		*	*	*	*	*	*	*	*	*	*
11:15		*	*	*	*	*	*	*	*	*	*
11:30		*	*	*	*	*	*	*	*	*	*
11:45		*	*	*	*	*	*	*	*	*	*
Total		396	0			324	0			720	0
Percent		100.0%	0.0%			100.0%	0.0%			100.0%	0.0%
Grand Total		13367	17288			12092	21391			25459	38679
Percent		43.6%	56.4%			36.1%	63.9%			39.7%	60.3%

ADT Not Calculated

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140122700000
Station ID: 010005321100

Charlotte
Sr 776 from Gillot Blvd To CR 771

Latitude: 0' 0.000 South

Start Time	18-Jan-05 Tue	EB Morning	EB Afternoon	Hour Totals Morning	Hour Totals Afternoon	WB Morning	WB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		*	273			*	215				
12:15		*	276			*	313				
12:30		*	283			*	251				
12:45		*	283	0	1115	*	276	0	1055	0	2170
01:00		*	293			*	274				
01:15		*	315			*	279				
01:30		*	275			*	306				
01:45		*	284	0	1167	*	286	0	1145	0	2312
02:00		*	294			*	270				
02:15		*	312			*	271				
02:30		*	304			*	288				
02:45		*	298	0	1208	*	299	0	1128	0	2336
03:00		*	256			*	286				
03:15		*	329			*	288				
03:30		*	308			*	309				
03:45		*	374	0	1267	*	284	0	1167	0	2434
04:00		*	366			*	302				
04:15		*	359			*	339				
04:30		*	271			*	330				
04:45		*	313	0	1309	*	299	0	1270	0	2579
05:00		*	303			*	274				
05:15		*	373			*	360				
05:30		*	289			*	311				
05:45		*	264	0	1229	*	275	0	1220	0	2449
06:00		90	246			57	265				
06:15		137	211			103	245				
06:30		169	177			175	185				
06:45		174	172	570	806	231	186	566	881	1136	1687
07:00		184	130			250	189				
07:15		243	120			276	155				
07:30		310	104			291	131				
07:45		296	80	1033	434	256	114	1073	589	2106	1023
08:00		269	71			217	110				
08:15		273	77			246	112				
08:30		247	66			249	82				
08:45		269	50	1058	264	254	101	966	405	2024	669
09:00		250	60			207	109				
09:15		230	62			221	104				
09:30		291	56			215	74				
09:45		249	64	1020	242	242	74	885	361	1905	603
10:00		276	37			228	58				
10:15		275	28			211	41				
10:30		257	37			199	43				
10:45		254	18	1062	120	218	46	856	188	1918	308
11:00		266	15			233	36				
11:15		313	14			260	35				
11:30		288	12			258	26				
11:45		265	13	1132	54	288	10	1039	107	2171	161
Total		5875	9215			5385	9516			11260	18731
Percent		38.9%	61.1%			36.1%	63.9%			37.5%	62.5%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140122700000
Station ID: 010005321100

Charlotte
Sr 776 from Gillot Blvd To CR 771

Latitude: 0' 0.000 South

Start Time	19-Jan-05 Wed	EB Morning	EB Afternoon	Hour Totals Morning	Hour Totals Afternoon	WB Morning	WB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		17	213			15	264				
12:15		11	252			10	287				
12:30		9	269			12	241				
12:45		8	260	45	994	10	278	47	1070	92	2064
01:00		4	261			11	256				
01:15		8	303			7	302				
01:30		12	329			6	288				
01:45		6	310	30	1203	5	234	29	1080	59	2283
02:00		4	220			4	279				
02:15		3	211			4	264				
02:30		6	320			5	378				
02:45		4	310	17	1061	2	469	15	1390	32	2451
03:00		7	323			3	472				
03:15		4	336			5	493				
03:30		12	345			5	306				
03:45		5	261	28	1265	9	302	22	1573	50	2838
04:00		8	266			7	243				
04:15		7	258			9	267				
04:30		24	240			21	285				
04:45		29	321	68	1085	34	299	71	1094	139	2179
05:00		41	311			20	301				
05:15		48	420			27	366				
05:30		50	413			26	274				
05:45		86	422	225	1566	54	257	127	1198	352	2764
06:00		82	311			57	224				
06:15		129	322			103	228				
06:30		159	333			172	220				
06:45		207	222	577	1188	220	153	552	825	1129	2013
07:00		183	211			221	205				
07:15		286	124			303	151				
07:30		325	215			269	172				
07:45		323	125	1117	675	290	129	1083	657	2200	1332
08:00		269	156			231	119				
08:15		238	155			270	110				
08:30		302	165			224	105				
08:45		233	154	1042	630	233	106	958	440	2000	1070
09:00		221	144			201	107				
09:15		218	93			221	95				
09:30		246	82			222	88				
09:45		281	81	966	400	221	80	865	370	1831	770
10:00		251	83			217	71				
10:15		282	52			204	49				
10:30		256	61			187	39				
10:45		273	55	1062	251	238	37	846	196	1908	447
11:00		259	45			243	27				
11:15		226	22			245	26				
11:30		236	11			225	24				
11:45		229	23	950	101	279	14	992	91	1942	192
Total		6127	10419			5607	9984			11734	20403
Percent		37.0%	63.0%			36.0%	64.0%			36.5%	63.5%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140122700000
Station ID: 010005321100

Charlotte
Sr 776 from Gillot Blvd To CR 771

Latitude: 0' 0.000 South

Start Time	20-Jan-05 Thu	EB Morning	EB Afternoon	Hour Totals Morning	Hour Totals Afternoon	WB Morning	WB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		31	*			22	*				
12:15		22	*			11	*				
12:30		11	*			8	*				
12:45		24	*	88	0	9	*	50	0	138	0
01:00		15	*			4	*				
01:15		46	*			10	*				
01:30		25	*			8	*				
01:45		14	*	100	0	10	*	32	0	132	0
02:00		15	*			10	*				
02:15		14	*			4	*				
02:30		2	*			9	*				
02:45		9	*	40	0	3	*	26	0	66	0
03:00		9	*			3	*				
03:15		4	*			4	*				
03:30		2	*			4	*				
03:45		6	*	21	0	19	*	30	0	51	0
04:00		15	*			12	*				
04:15		11	*			10	*				
04:30		12	*			15	*				
04:45		21	*	59	0	25	*	62	0	121	0
05:00		34	*			32	*				
05:15		35	*			15	*				
05:30		31	*			43	*				
05:45		*	*	100	0	*	*	90	0	190	0
06:00		*	*	*	*	*	*	*	*	*	*
06:15		*	*	*	*	*	*	*	*	*	*
06:30		*	*	*	*	*	*	*	*	*	*
06:45		*	*	*	*	*	*	*	*	*	*
07:00		*	*	*	*	*	*	*	*	*	*
07:15		*	*	*	*	*	*	*	*	*	*
07:30		*	*	*	*	*	*	*	*	*	*
07:45		*	*	*	*	*	*	*	*	*	*
08:00		*	*	*	*	*	*	*	*	*	*
08:15		*	*	*	*	*	*	*	*	*	*
08:30		*	*	*	*	*	*	*	*	*	*
08:45		*	*	*	*	*	*	*	*	*	*
09:00		*	*	*	*	*	*	*	*	*	*
09:15		*	*	*	*	*	*	*	*	*	*
09:30		*	*	*	*	*	*	*	*	*	*
09:45		*	*	*	*	*	*	*	*	*	*
10:00		*	*	*	*	*	*	*	*	*	*
10:15		*	*	*	*	*	*	*	*	*	*
10:30		*	*	*	*	*	*	*	*	*	*
10:45		*	*	*	*	*	*	*	*	*	*
11:00		*	*	*	*	*	*	*	*	*	*
11:15		*	*	*	*	*	*	*	*	*	*
11:30		*	*	*	*	*	*	*	*	*	*
11:45		*	*	*	*	*	*	*	*	*	*
Total		408	0			290	0			698	0
Percent		100.0%	0.0%			100.0%	0.0%			100.0%	0.0%
Grand Total		12410	19634			11282	19500			23692	39134
Percent		38.7%	61.3%			36.7%	63.3%			37.7%	62.3%

ADT Not Calculated

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140131200000
Station ID: 010006321100

Charlotte
SR 776 From CR771 To Sunnybrook

Latitude: 0' 0.000 South

Start Time	18-Jan-05 Tue	EB Morning	EB Afternoon	Hour Totals Morning	Hour Totals Afternoon	WB Morning	WB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		*	223			*	203				
12:15		*	255			*	216				
12:30		*	192			*	227				
12:45		*	234	0	904	*	232	0	878	0	1782
01:00		*	243			*	234				
01:15		*	237			*	220				
01:30		*	193			*	231				
01:45		*	214	0	887	*	228	0	913	0	1800
02:00		*	241			*	220				
02:15		*	227			*	229				
02:30		*	220			*	234				
02:45		*	209	0	897	*	216	0	899	0	1796
03:00		*	230			*	237				
03:15		*	214			*	234				
03:30		*	250			*	257				
03:45		*	269	0	963	*	241	0	969	0	1932
04:00		*	240			*	240				
04:15		*	203			*	295				
04:30		*	238			*	246				
04:45		*	262	0	943	*	254	0	1035	0	1978
05:00		*	255			*	243				
05:15		*	252			*	265				
05:30		*	191			*	276				
05:45		*	191	0	889	*	201	0	985	0	1874
06:00		104	183			56	211				
06:15		137	144			94	188				
06:30		169	150			110	155				
06:45		158	129	568	606	149	174	409	728	977	1334
07:00		181	103			189	135				
07:15		217	98			212	123				
07:30		251	78			252	104				
07:45		218	82	867	361	211	92	864	454	1731	815
08:00		206	71			186	73				
08:15		205	60			206	98				
08:30		234	58			186	65				
08:45		211	48	856	237	187	79	765	315	1621	552
09:00		192	59			128	83				
09:15		198	57			181	94				
09:30		208	63			187	49				
09:45		194	46	792	225	175	53	671	279	1463	504
10:00		201	30			174	44				
10:15		212	37			194	36				
10:30		202	30			172	42				
10:45		247	17	862	114	166	38	706	160	1568	274
11:00		242	14			184	24				
11:15		218	10			204	28				
11:30		246	17			211	10				
11:45		237	16	943	57	200	9	799	71	1742	128
Total		4888	7083			4214	7686			9102	14769
Percent		40.8%	59.2%			35.4%	64.6%			38.1%	61.9%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140131200000
Station ID: 010006321100

Charlotte
SR 776 From CR771 To Sunnybrook

Latitude: 0' 0.000 South

Start Time	19-Jan-05 Wed	EB Morning	EB Afternoon	Hour Totals Morning	Hour Totals Afternoon	WB Morning	WB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		18	246			12	227				
12:15		3	205			10	182				
12:30		3	245			10	237				
12:45		5	197	29	893	6	190	38	836	67	1729
01:00		3	206			11	220				
01:15		1	218			7	210				
01:30		4	216			3	237				
01:45		5	200	13	840	6	210	27	877	40	1717
02:00		3	261			5	220				
02:15		5	221			3	246				
02:30		5	217			2	361				
02:45		5	196	18	895	4	438	14	1265	32	2160
03:00		5	236			6	481				
03:15		5	218			4	478				
03:30		12	212			1	320				
03:45		2	225	24	891	6	259	17	1538	41	2429
04:00		7	225			7	239				
04:15		4	206			13	302				
04:30		21	202			5	295				
04:45		24	218	56	851	9	260	34	1096	90	1947
05:00		33	239			23	286				
05:15		33	226			27	320				
05:30		58	199			33	273				
05:45		59	168	183	832	35	231	118	1110	301	1942
06:00		106	173			56	199				
06:15		141	153			76	177				
06:30		146	130			122	192				
06:45		164	135	557	591	149	161	403	729	960	1320
07:00		214	111			184	189				
07:15		255	92			201	135				
07:30		260	67			275	108				
07:45		231	67	960	337	219	103	879	535	1839	872
08:00		191	89			201	83				
08:15		214	84			175	96				
08:30		187	57			196	82				
08:45		189	57	781	287	165	95	737	356	1518	643
09:00		163	63			140	85				
09:15		184	63			164	77				
09:30		229	64			176	80				
09:45		201	41	777	231	168	55	648	297	1425	528
10:00		195	37			198	60				
10:15		219	39			179	35				
10:30		234	21			178	39				
10:45		212	22	860	119	173	27	728	161	1588	280
11:00		235	24			179	26				
11:15		201	22			188	17				
11:30		222	24			195	18				
11:45		213	11	871	81	211	17	773	78	1644	159
Total		5129	6848			4416	8878			9545	15726
Percent		42.8%	57.2%			33.2%	66.8%			37.8%	62.2%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140131200000
Station ID: 010006321100

Charlotte
SR 776 From CR771 To Sunnybrook

Latitude: 0' 0.000 South

Start Time	20-Jan-05 Thu	EB Morning	EB Afternoon	Hour Totals Morning	Hour Totals Afternoon	WB Morning	WB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		13	*			12	*				
12:15		10	*			12	*				
12:30		5	*			8	*				
12:45		9	*	37	0	6	*	38	0	75	0
01:00		9	*			3	*				
01:15		4	*			10	*				
01:30		11	*			10	*				
01:45		5	*	29	0	10	*	33	0	62	0
02:00		7	*			6	*				
02:15		7	*			2	*				
02:30		6	*			4	*				
02:45		8	*	28	0	0	*	12	0	40	0
03:00		11	*			4	*				
03:15		6	*			3	*				
03:30		10	*			2	*				
03:45		6	*	33	0	5	*	14	0	47	0
04:00		10	*			10	*				
04:15		4	*			9	*				
04:30		14	*			14	*				
04:45		25	*	53	0	14	*	47	0	100	0
05:00		25	*			15	*				
05:15		36	*			19	*				
05:30		62	*			41	*				
05:45		*	*	123	0	*	*	75	0	198	0
06:00		*	*	*	*	*	*	*	*	*	*
06:15		*	*	*	*	*	*	*	*	*	*
06:30		*	*	*	*	*	*	*	*	*	*
06:45		*	*	*	*	*	*	*	*	*	*
07:00		*	*	*	*	*	*	*	*	*	*
07:15		*	*	*	*	*	*	*	*	*	*
07:30		*	*	*	*	*	*	*	*	*	*
07:45		*	*	*	*	*	*	*	*	*	*
08:00		*	*	*	*	*	*	*	*	*	*
08:15		*	*	*	*	*	*	*	*	*	*
08:30		*	*	*	*	*	*	*	*	*	*
08:45		*	*	*	*	*	*	*	*	*	*
09:00		*	*	*	*	*	*	*	*	*	*
09:15		*	*	*	*	*	*	*	*	*	*
09:30		*	*	*	*	*	*	*	*	*	*
09:45		*	*	*	*	*	*	*	*	*	*
10:00		*	*	*	*	*	*	*	*	*	*
10:15		*	*	*	*	*	*	*	*	*	*
10:30		*	*	*	*	*	*	*	*	*	*
10:45		*	*	*	*	*	*	*	*	*	*
11:00		*	*	*	*	*	*	*	*	*	*
11:15		*	*	*	*	*	*	*	*	*	*
11:30		*	*	*	*	*	*	*	*	*	*
11:45		*	*	*	*	*	*	*	*	*	*
Total		303	0			219	0			522	0
Percent		100.0%	0.0%			100.0%	0.0%			100.0%	0.0%
Grand Total		10320	13931			8849	16564			19169	30495
Percent		42.6%	57.4%			34.8%	65.2%			38.6%	61.4%

ADT Not Calculated

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140121900000
Station ID: 010007321100

Charlotte
SR776 From San Casa To Pine St

Latitude: 0' 0.000 South

Start Time	18-Jan-05 Tue	EB Morning	EB Afternoon	Hour Totals Morning	Hour Totals Afternoon	WB Morning	WB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		*	413			*	346				
12:15		*	404			*	397				
12:30		*	391			*	383				
12:45		*	420	0	1628	*	392	0	1518	0	3146
01:00		*	439			*	347				
01:15		*	414			*	365				
01:30		*	356			*	399				
01:45		*	339	0	1548	*	372	0	1483	0	3031
02:00		*	407			*	405				
02:15		*	357			*	428				
02:30		*	361			*	407				
02:45		*	437	0	1562	*	372	0	1612	0	3174
03:00		*	479			*	364				
03:15		*	417			*	372				
03:30		*	395			*	360				
03:45		*	391	0	1682	*	363	0	1459	0	3141
04:00		*	434			*	376				
04:15		*	408			*	352				
04:30		*	375			*	342				
04:45		*	379	0	1596	*	338	0	1408	0	3004
05:00		*	469			*	348				
05:15		*	440			*	353				
05:30		*	346			*	325				
05:45		*	305	0	1560	*	323	0	1349	0	2909
06:00		82	271			77	275				
06:15		108	293			126	283				
06:30		140	251			159	263				
06:45		214	218	544	1033	191	210	553	1031	1097	2064
07:00		176	235			193	194				
07:15		196	194			310	175				
07:30		201	184			365	118				
07:45		228	179	801	792	431	105	1299	592	2100	1384
08:00		272	166			376	108				
08:15		264	158			344	115				
08:30		299	132			381	81				
08:45		297	116	1132	572	365	62	1466	366	2598	938
09:00		264	147			371	104				
09:15		307	154			347	83				
09:30		328	104			334	55				
09:45		342	93	1241	498	361	69	1413	311	2654	809
10:00		350	76			385	70				
10:15		369	92			374	59				
10:30		365	87			368	50				
10:45		404	38	1488	293	368	21	1495	200	2983	493
11:00		384	41			366	32				
11:15		387	45			411	25				
11:30		408	43			394	28				
11:45		414	32	1593	161	404	16	1575	101	3168	262
Total		6799	12925			7801	11430			14600	24355
Percent		34.5%	65.5%			40.6%	59.4%			37.5%	62.5%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140121900000
Station ID: 010007321100

Charlotte
SR776 From San Casa To Pine St

Latitude: 0' 0.000 South

Start	19-Jan-05	EB		Hour Totals		WB		Hour Totals		Combined Totals	
Time	Wed	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		18	368			9	403				
12:15		7	350			8	375				
12:30		14	378			15	369				
12:45		29	413	68	1509	16	374	48	1521	116	3030
01:00		15	396			9	332				
01:15		5	365			4	337				
01:30		9	381			7	333				
01:45		11	404	40	1546	10	360	30	1362	70	2908
02:00		7	394			11	366				
02:15		11	375			7	377				
02:30		6	368			6	337				
02:45		2	418	26	1555	9	354	33	1434	59	2989
03:00		12	465			4	384				
03:15		11	468			5	394				
03:30		8	389			8	396				
03:45		5	379	36	1701	5	424	22	1598	58	3299
04:00		7	404			9	401				
04:15		9	376			11	357				
04:30		11	340			21	345				
04:45		17	392	44	1512	19	346	60	1449	104	2961
05:00		17	430			20	349				
05:15		20	403			44	342				
05:30		30	338			58	323				
05:45		44	328	111	1499	62	313	184	1327	295	2826
06:00		65	281			66	284				
06:15		95	284			114	279				
06:30		145	288			131	241				
06:45		179	228	484	1081	200	224	511	1028	995	2109
07:00		215	215			182	197				
07:15		211	200			295	195				
07:30		219	188			391	141				
07:45		265	171	910	774	418	140	1286	673	2196	1447
08:00		240	174			379	132				
08:15		282	195			366	94				
08:30		277	152			309	108				
08:45		252	160	1051	681	370	70	1424	404	2475	1085
09:00		257	128			348	89				
09:15		267	129			299	76				
09:30		332	87			311	74				
09:45		325	82	1181	426	391	71	1349	310	2530	736
10:00		299	115			322	70				
10:15		330	97			336	49				
10:30		353	73			340	41				
10:45		346	50	1328	335	365	37	1363	197	2691	532
11:00		392	55			347	22				
11:15		366	38			375	21				
11:30		361	26			353	17				
11:45		407	22	1526	141	347	13	1422	73	2948	214
Total		6805	12760			7732	11376			14537	24136
Percent		34.8%	65.2%			40.5%	59.5%			37.6%	62.4%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140121900000
Station ID: 010007321100

Charlotte
SR776 From San Casa To Pine St

Latitude: 0' 0.000 South

Start Time	20-Jan-05 Thu	EB Morning	EB Afternoon	Hour Totals Morning	Hour Totals Afternoon	WB Morning	WB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		28	*			10	*				
12:15		14	*			9	*				
12:30		8	*			12	*				
12:45		11	*	61	0	8	*	39	0	100	0
01:00		7	*			7	*				
01:15		7	*			5	*				
01:30		13	*			3	*				
01:45		5	*	32	0	10	*	25	0	57	0
02:00		10	*			19	*				
02:15		5	*			4	*				
02:30		11	*			5	*				
02:45		17	*	43	0	7	*	35	0	78	0
03:00		6	*			4	*				
03:15		8	*			5	*				
03:30		3	*			11	*				
03:45		8	*	25	0	10	*	30	0	55	0
04:00		11	*			14	*				
04:15		8	*			15	*				
04:30		11	*			17	*				
04:45		15	*	45	0	19	*	65	0	110	0
05:00		20	*			21	*				
05:15		23	*			44	*				
05:30		35	*			61	*				
05:45		*	*	78	0	*	*	126	0	204	0
06:00		*	*	*	*	*	*	*	*	*	*
06:15		*	*	*	*	*	*	*	*	*	*
06:30		*	*	*	*	*	*	*	*	*	*
06:45		*	*	*	*	*	*	*	*	*	*
07:00		*	*	*	*	*	*	*	*	*	*
07:15		*	*	*	*	*	*	*	*	*	*
07:30		*	*	*	*	*	*	*	*	*	*
07:45		*	*	*	*	*	*	*	*	*	*
08:00		*	*	*	*	*	*	*	*	*	*
08:15		*	*	*	*	*	*	*	*	*	*
08:30		*	*	*	*	*	*	*	*	*	*
08:45		*	*	*	*	*	*	*	*	*	*
09:00		*	*	*	*	*	*	*	*	*	*
09:15		*	*	*	*	*	*	*	*	*	*
09:30		*	*	*	*	*	*	*	*	*	*
09:45		*	*	*	*	*	*	*	*	*	*
10:00		*	*	*	*	*	*	*	*	*	*
10:15		*	*	*	*	*	*	*	*	*	*
10:30		*	*	*	*	*	*	*	*	*	*
10:45		*	*	*	*	*	*	*	*	*	*
11:00		*	*	*	*	*	*	*	*	*	*
11:15		*	*	*	*	*	*	*	*	*	*
11:30		*	*	*	*	*	*	*	*	*	*
11:45		*	*	*	*	*	*	*	*	*	*
Total		284	0			320	0			604	0
Percent		100.0%	0.0%			100.0%	0.0%			100.0%	0.0%
Grand Total		13888	25685			15853	22806			29741	48491
Percent		35.1%	64.9%			41.0%	59.0%			38.0%	62.0%

ADT Not Calculated

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140101000000
Station ID: 010003121100

Charlotte
Willowbend Dr Project Ent

Latitude: 0' 0.000 South

Start Time	18-Jan-05 Tue	NB Morning	NB Afternoon	Hour Totals Morning	Hour Totals Afternoon	SB Morning	SB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		*	20			*	19				
12:15		*	10			*	18				
12:30		*	9			*	11				
12:45		*	16	0	55	*	9	0	57	0	112
01:00		*	13			*	8				
01:15		*	8			*	10				
01:30		*	9			*	11				
01:45		*	11	0	41	*	11	0	40	0	81
02:00		*	12			*	12				
02:15		*	8			*	7				
02:30		*	10			*	12				
02:45		*	9	0	39	*	8	0	39	0	78
03:00		*	9			*	13				
03:15		*	16			*	11				
03:30		*	9			*	7				
03:45		*	12	0	46	*	13	0	44	0	90
04:00		*	9			*	14				
04:15		*	11			*	7				
04:30		*	9			*	4				
04:45		*	12	0	41	*	13	0	38	0	79
05:00		*	5			*	3				
05:15		*	15			*	6				
05:30		*	7			*	6				
05:45		*	11	0	38	*	12	0	27	0	65
06:00		1	7			0	4				
06:15		1	3			0	4				
06:30		3	1			3	3				
06:45		0	8	5	19	0	6	3	17	8	36
07:00		4	2			4	0				
07:15		5	2			4	0				
07:30		6	3			8	2				
07:45		6	3	21	10	8	3	24	5	45	15
08:00		9	4			3	3				
08:15		5	2			5	2				
08:30		7	3			9	0				
08:45		12	2	33	11	7	3	24	8	57	19
09:00		13	2			8	0				
09:15		8	2			8	1				
09:30		9	0			11	0				
09:45		6	2	36	6	11	3	38	4	74	10
10:00		6	1			5	1				
10:15		11	0			5	0				
10:30		9	2			10	1				
10:45		11	2	37	5	14	1	34	3	71	8
11:00		6	0			19	0				
11:15		15	1			9	0				
11:30		10	0			5	0				
11:45		6	0	37	1	17	0	50	0	87	1
Total		169	312			173	282			342	594
Percent		35.1%	64.9%			38.0%	62.0%			36.5%	63.5%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140101000000
Station ID: 010003121100

Charlotte
Willowbend Dr Project Ent

Latitude: 0' 0.000 South

Start	19-Jan-05	NB		Hour Totals		SB		Hour Totals		Combined Totals	
Time	Wed	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	12			0	7				
12:15		0	13			0	5				
12:30		0	15			0	4				
12:45		1	12	1	52	1	3	1	19	2	71
01:00		0	8			0	6				
01:15		0	12			0	6				
01:30		0	6			0	16				
01:45		0	6	0	32	0	17	0	45	0	77
02:00		0	6			1	11				
02:15		0	6			0	9				
02:30		0	2			0	12				
02:45		0	3	0	17	0	7	1	39	1	56
03:00		0	4			0	11				
03:15		1	2			2	6				
03:30		0	3			0	10				
03:45		0	8	1	17	0	12	2	39	3	56
04:00		0	10			0	6				
04:15		0	6			0	5				
04:30		1	3			0	4				
04:45		0	11	1	30	1	10	1	25	2	55
05:00		1	10			0	9				
05:15		1	8			1	3				
05:30		1	5			0	11				
05:45		4	9	7	32	0	10	1	33	8	65
06:00		0	11			0	6				
06:15		1	4			0	7				
06:30		2	4			2	4				
06:45		4	5	7	24	0	3	2	20	9	44
07:00		4	4			2	1				
07:15		4	5			4	3				
07:30		2	2			4	2				
07:45		9	2	19	13	5	5	15	11	34	24
08:00		4	3			7	2				
08:15		7	2			7	7				
08:30		17	1			11	2				
08:45		13	3	41	9	4	0	29	11	70	20
09:00		6	1			5	3				
09:15		6	1			6	1				
09:30		4	0			11	1				
09:45		6	1	22	3	9	0	31	5	53	8
10:00		10	0			10	1				
10:15		9	3			10	0				
10:30		6	2			10	1				
10:45		6	0	31	5	6	1	36	3	67	8
11:00		6	0			9	0				
11:15		9	0			12	1				
11:30		10	0			10	0				
11:45		6	1	31	1	10	0	41	1	72	2
Total		161	235			160	251			321	486
Percent		40.7%	59.3%			38.9%	61.1%			39.8%	60.2%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140101000000
Station ID: 010003121 100

Charlotte
Willowbend Dr Project Ent

Latitude: 0' 0.000 South

Start	20-Jan-05	NB		Hour Totals		SB		Hour Totals		Combined Totals	
Time	Thu	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	*			0	*				
12:15		0	*			0	*				
12:30		0	*			0	*				
12:45		0	*	0	0	0	*	0	0	0	0
01:00		0	*			0	*				
01:15		0	*			0	*				
01:30		0	*			0	*				
01:45		0	*	0	0	0	*	0	0	0	0
02:00		0	*			0	*				
02:15		0	*			0	*				
02:30		0	*			0	*				
02:45		0	*	0	0	0	*	0	0	0	0
03:00		1	*			0	*				
03:15		0	*			1	*				
03:30		0	*			0	*				
03:45		1	*	2	0	1	*	2	0	4	0
04:00		0	*			0	*				
04:15		0	*			0	*				
04:30		0	*			0	*				
04:45		0	*	0	0	0	*	0	0	0	0
05:00		1	*			0	*				
05:15		1	*			0	*				
05:30		1	*			1	*				
05:45		*	*	3	0	*	*	1	0	4	0
06:00		*	*	*	*	*	*	*	*	*	*
06:15		*	*	*	*	*	*	*	*	*	*
06:30		*	*	*	*	*	*	*	*	*	*
06:45		*	*	*	*	*	*	*	*	*	*
07:00		*	*	*	*	*	*	*	*	*	*
07:15		*	*	*	*	*	*	*	*	*	*
07:30		*	*	*	*	*	*	*	*	*	*
07:45		*	*	*	*	*	*	*	*	*	*
08:00		*	*	*	*	*	*	*	*	*	*
08:15		*	*	*	*	*	*	*	*	*	*
08:30		*	*	*	*	*	*	*	*	*	*
08:45		*	*	*	*	*	*	*	*	*	*
09:00		*	*	*	*	*	*	*	*	*	*
09:15		*	*	*	*	*	*	*	*	*	*
09:30		*	*	*	*	*	*	*	*	*	*
09:45		*	*	*	*	*	*	*	*	*	*
10:00		*	*	*	*	*	*	*	*	*	*
10:15		*	*	*	*	*	*	*	*	*	*
10:30		*	*	*	*	*	*	*	*	*	*
10:45		*	*	*	*	*	*	*	*	*	*
11:00		*	*	*	*	*	*	*	*	*	*
11:15		*	*	*	*	*	*	*	*	*	*
11:30		*	*	*	*	*	*	*	*	*	*
11:45		*	*	*	*	*	*	*	*	*	*
Total		5	0			3	0			8	0
Percent		100.0%	0.0%			100.0%	0.0%			100.0%	0.0%
Grand Total		335	547			336	533			671	1080
Percent		38.0%	62.0%			38.7%	61.3%			38.3%	61.7%

ADT Not Calculated

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140132800000
Station ID: 010002121100

Charlotte
Riverwood Dr Project Ent

Latitude: 0' 0.000 South

Start Time	18-Jan-05 Tue	NB Morning	NB Afternoon	Hour Totals Morning	Hour Totals Afternoon	SB Morning	SB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		*	26			*	34				
12:15		*	27			*	19				
12:30		*	30			*	25				
12:45		*	21	0	104	*	19	0	97	0	201
01:00		*	20			*	31				
01:15		*	23			*	23				
01:30		*	22			*	32				
01:45		*	22	0	87	*	31	0	117	0	204
02:00		*	25			*	25				
02:15		*	29			*	24				
02:30		*	30			*	31				
02:45		*	23	0	107	*	24	0	104	0	211
03:00		*	19			*	28				
03:15		*	31			*	28				
03:30		*	26			*	28				
03:45		*	24	0	100	*	20	0	104	0	204
04:00		*	19			*	23				
04:15		*	21			*	17				
04:30		*	31			*	12				
04:45		*	31	0	102	*	19	0	71	0	173
05:00		*	25			*	12				
05:15		*	34			*	15				
05:30		*	18			*	16				
05:45		*	20	0	97	*	12	0	55	0	152
06:00		0	13			8	8				
06:15		1	23			7	10				
06:30		4	15			6	8				
06:45		5	9	10	60	9	6	30	32	40	92
07:00		5	17			14	10				
07:15		10	16			27	2				
07:30		8	14			26	4				
07:45		9	14	32	61	25	5	92	21	124	82
08:00		7	11			27	5				
08:15		8	8			24	6				
08:30		15	6			24	4				
08:45		19	8	49	33	27	3	102	18	151	51
09:00		14	12			26	1				
09:15		20	8			31	1				
09:30		11	7			24	1				
09:45		17	6	62	33	39	2	120	5	182	38
10:00		12	4			14	0				
10:15		13	1			36	0				
10:30		23	1			17	1				
10:45		19	2	67	8	27	1	94	2	161	10
11:00		20	0			18	0				
11:15		19	3			35	1				
11:30		28	1			20	0				
11:45		21	2	88	6	18	0	91	1	179	7
Total		308	798			529	627			837	1425
Percent		27.8%	72.2%			45.8%	54.2%			37.0%	63.0%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140132800000
Station ID: 010002121100

Charlotte
Riverwood Dr Project Ent

Latitude: 0' 0.000 South

Start Time	19-Jan-05 Wed	NB Morning	NB Afternoon	Hour Totals Morning	Hour Totals Afternoon	SB Morning	SB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	24			0	26				
12:15		1	26			0	29				
12:30		2	27			4	21				
12:45		0	23	3	100	0	27	4	103	7	203
01:00		3	30			0	27				
01:15		2	16			1	40				
01:30		0	21			0	28				
01:45		0	21	5	88	0	24	1	119	6	207
02:00		0	31			0	21				
02:15		0	19			0	26				
02:30		2	19			1	28				
02:45		0	26	2	95	0	34	1	109	3	204
03:00		0	23			1	28				
03:15		1	29			1	18				
03:30		0	32			0	19				
03:45		1	39	2	123	0	25	2	90	4	213
04:00		1	31			0	23				
04:15		1	26			3	12				
04:30		0	30			0	22				
04:45		0	25	2	112	2	19	5	76	7	188
05:00		1	27			0	16				
05:15		0	27			2	17				
05:30		3	27			2	13				
05:45		8	23	12	104	4	11	8	57	20	161
06:00		1	28			9	15				
06:15		1	18			9	15				
06:30		2	18			7	16				
06:45		5	9	9	73	10	11	35	57	44	130
07:00		6	15			20	17				
07:15		4	13			23	5				
07:30		11	16			21	5				
07:45		18	15	39	59	30	4	94	31	133	90
08:00		18	15			18	1				
08:15		8	17			26	4				
08:30		11	10			23	2				
08:45		8	12	45	54	28	1	95	8	140	62
09:00		13	11			23	8				
09:15		14	10			19	2				
09:30		18	8			33	2				
09:45		18	4	63	33	27	2	102	14	165	47
10:00		17	10			30	0				
10:15		11	7			39	1				
10:30		23	3			25	0				
10:45		17	0	68	20	31	2	125	3	193	23
11:00		19	2			26	1				
11:15		16	0			26	0				
11:30		35	3			27	1				
11:45		26	3	96	8	21	0	100	2	196	10
Total		346	869			572	669			918	1538
Percent		28.5%	71.5%			46.1%	53.9%			37.4%	62.6%

Florida Transportation Engineering, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, FL 33950

Site Code: 140132800000
Station ID: 010002121100

Charlotte
Riverwood Dr Project Ent

Latitude: 0' 0.000 South

Start Time	20-Jan-05 Thu	NB Morning	NB Afternoon	Hour Totals Morning	Hour Totals Afternoon	SB Morning	SB Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	*			0	*				
12:15		1	*			0	*				
12:30		2	*			0	*				
12:45		1	*	4	0	0	*	0	0	4	0
01:00		2	*			0	*				
01:15		1	*			1	*				
01:30		1	*			0	*				
01:45		1	*	5	0	1	*	2	0	7	0
02:00		0	*			0	*				
02:15		0	*			0	*				
02:30		1	*			0	*				
02:45		0	*	1	0	0	*	0	0	1	0
03:00		1	*			1	*				
03:15		2	*			0	*				
03:30		0	*			1	*				
03:45		1	*	4	0	0	*	2	0	6	0
04:00		1	*			2	*				
04:15		0	*			1	*				
04:30		1	*			2	*				
04:45		0	*	2	0	1	*	6	0	8	0
05:00		1	*			0	*				
05:15		0	*			4	*				
05:30		3	*			0	*				
05:45		*	*	4	0	*	*	4	0	8	0
06:00		*	*	*	*	*	*	*	*	*	*
06:15		*	*	*	*	*	*	*	*	*	*
06:30		*	*	*	*	*	*	*	*	*	*
06:45		*	*	*	*	*	*	*	*	*	*
07:00		*	*	*	*	*	*	*	*	*	*
07:15		*	*	*	*	*	*	*	*	*	*
07:30		*	*	*	*	*	*	*	*	*	*
07:45		*	*	*	*	*	*	*	*	*	*
08:00		*	*	*	*	*	*	*	*	*	*
08:15		*	*	*	*	*	*	*	*	*	*
08:30		*	*	*	*	*	*	*	*	*	*
08:45		*	*	*	*	*	*	*	*	*	*
09:00		*	*	*	*	*	*	*	*	*	*
09:15		*	*	*	*	*	*	*	*	*	*
09:30		*	*	*	*	*	*	*	*	*	*
09:45		*	*	*	*	*	*	*	*	*	*
10:00		*	*	*	*	*	*	*	*	*	*
10:15		*	*	*	*	*	*	*	*	*	*
10:30		*	*	*	*	*	*	*	*	*	*
10:45		*	*	*	*	*	*	*	*	*	*
11:00		*	*	*	*	*	*	*	*	*	*
11:15		*	*	*	*	*	*	*	*	*	*
11:30		*	*	*	*	*	*	*	*	*	*
11:45		*	*	*	*	*	*	*	*	*	*
Total		20	0			14	0			34	0
Percent		100.0%	0.0%			100.0%	0.0%			100.0%	0.0%
Grand Total		674	1667			1115	1296			1789	2963
Percent		28.8%	71.2%			46.2%	53.8%			37.6%	62.4%

ADT Not Calculated

APPENDIX B

Condition Diagrams
Turning Movement Counts

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

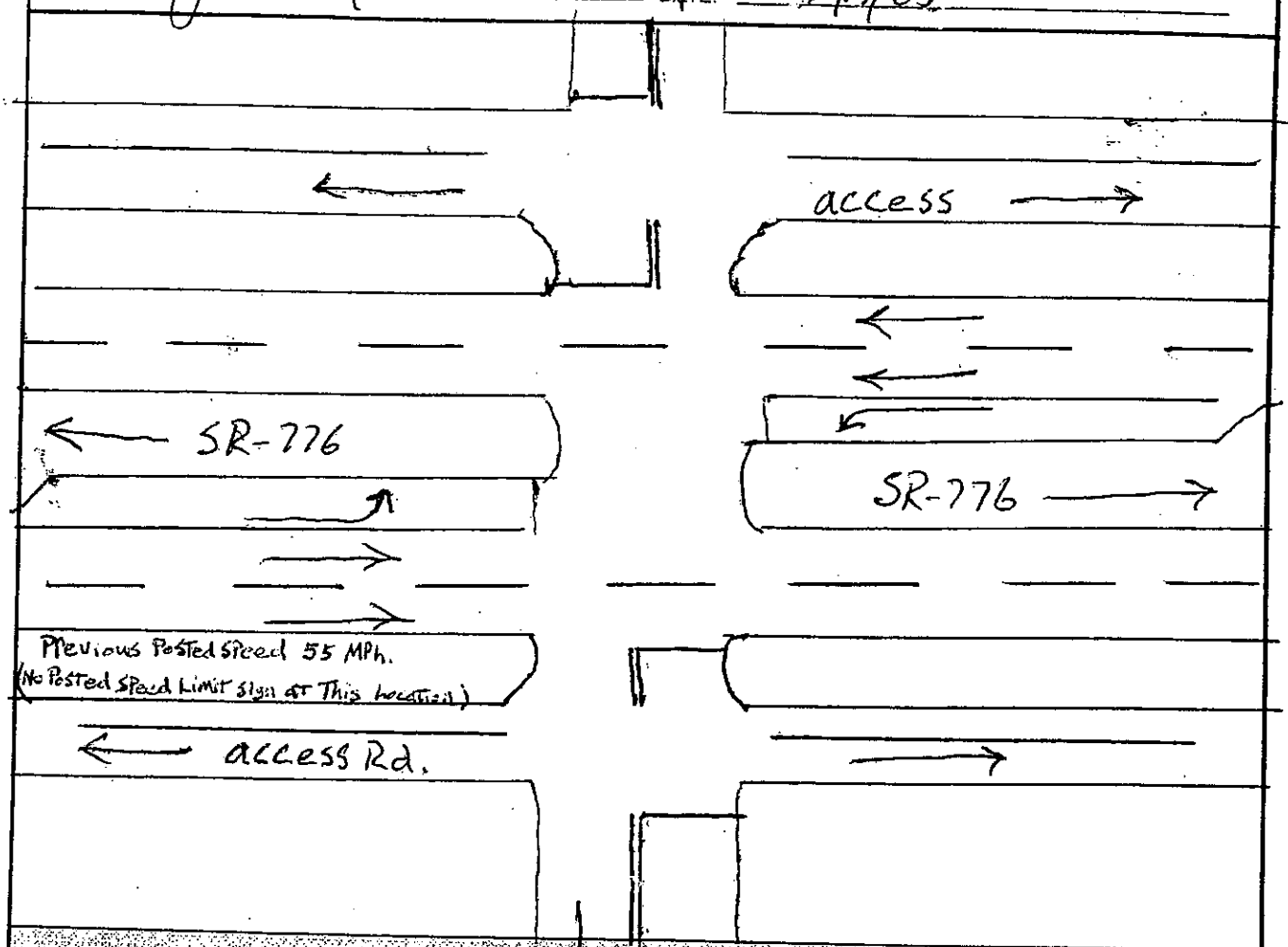
CONDITION DIAGRAM

FORM 750-020-04
TRAFFIC ENGINEERING
10/99

LOCATION ID: SR-776 & David Blvd.

COUNTY: Charlotte CITY:

DRAWN BY: Joe Matters DATE: 1/17/05



SYMBOLS

TREES	POWER POLE	SIGN (1 POST)
SHRUBS	TELEPHONE POLE	SIGN (2 POSTS)
HEDGE	COMBINATION POLE	OVERHEAD SIGN
BUILDING	TRAFFIC SIGNAL POLE	TRAFFIC SIGNAL HEAD
RIGHT OF WAY LINE	HYDRANT	PED. SIGNAL HEAD
FENCE	CONTROLLER CABINET	PED. PUSHBUTTON
GUARDRAIL	VEHICLE DETECTOR LOOP	RR SIGNAL (W/GATE)

RECYCLED PAPER

Florida Transportation Engineering, Inc.
8250 Pascal Drive
Punta Gorda, FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2136
Counted By: David S
Weather: Good
Other:

File Name : DAVID AND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 1

Groups Printed- Cars, Trucks and Ped

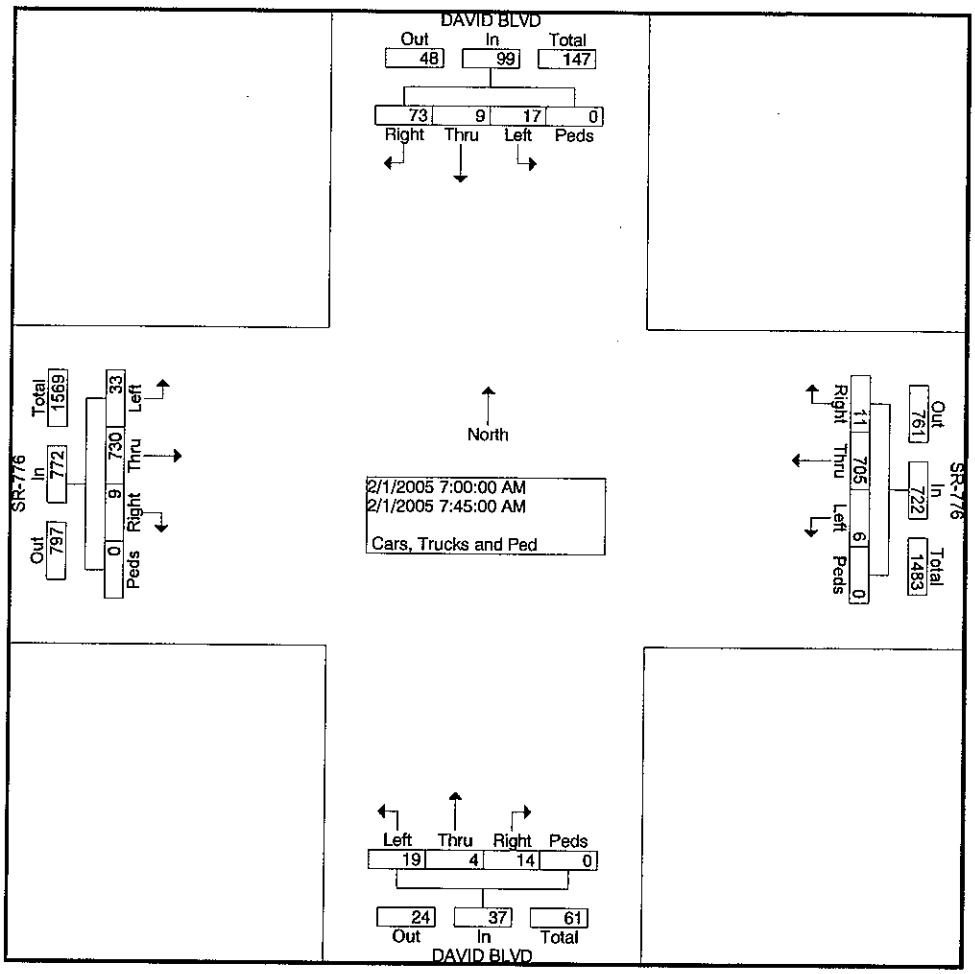
	DAVID BLVD Southbound				SR-776 Westbound				DAVID BLVD Northbound				SR-776 Eastbound				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
07:00	10	5	5	0	5	118	0	0	7	0	6	0	6	178	11	0	351
07:15	19	1	1	0	4	178	4	0	3	1	3	0	2	184	6	0	406
07:30	22	3	6	0	1	185	1	0	4	1	7	0	0	191	9	0	430
07:45	22	0	5	0	1	224	1	0	0	2	3	0	1	177	7	0	443
Total	73	9	17	0	11	705	6	0	14	4	19	0	9	730	33	0	1630
08:00	8	5	6	0	2	142	0	0	1	2	8	0	6	162	8	0	350
08:15	9	1	6	0	0	152	0	0	1	1	7	0	0	159	7	0	343
08:30	6	4	4	0	2	192	0	0	0	1	8	0	2	166	2	0	387
08:45	12	1	3	0	4	186	2	0	0	1	5	0	4	167	5	0	390
Total	35	11	19	0	8	672	2	0	2	5	28	0	12	654	22	0	1470
BREAK ----------																	
16:00	6	0	4	0	8	239	0	0	0	5	10	0	5	214	9	0	500
16:15	4	2	4	0	2	215	5	0	2	2	10	0	4	215	8	0	473
16:30	1	2	1	0	5	234	2	0	2	3	5	0	5	245	16	0	521
16:45	3	0	9	0	5	223	4	0	1	6	6	0	10	229	22	0	518
Total	14	4	18	0	20	911	11	0	5	16	31	0	24	903	55	0	2012
17:00	6	2	4	0	5	236	3	0	2	3	8	0	8	237	18	0	532
17:15	5	3	4	0	8	234	0	0	2	0	7	0	9	233	18	0	523
17:30	13	2	6	0	4	219	5	0	0	2	4	0	4	251	11	0	521
17:45	7	4	4	0	7	208	1	0	0	1	0	0	7	187	11	0	437
Total	31	11	18	0	24	897	9	0	4	6	19	0	28	908	58	0	2013
Grand Total	153	35	72	0	63	3185	28	0	25	31	97	0	73	3195	168	0	7125
Apprch %	58.8	13.5	27.7	0.0	1.9	97.2	0.9	0.0	16.3	20.3	63.4	0.0	2.1	93.0	4.9	0.0	
Total %	2.1	0.5	1.0	0.0	0.9	44.7	0.4	0.0	0.4	0.4	1.4	0.0	1.0	44.8	2.4	0.0	

Counter: 2136
Counted By: David S
Weather: Good
Other:

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : DAVID AND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 2

	DAVID BLVD Southbound					SR-776 Westbound					DAVID BLVD Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 to 08:45 - Peak 1 of 1																					
Intersection	07:00																				
Volume	73	9	17	0	99	11	705	6	0	722	14	4	19	0	37	9	730	33	0	772	1630
Percent	73.7	9.1	17.2	0.0		1.5	97.6	0.8	0.0		37.8	10.8	51.4	0.0		1.2	94.6	4.3	0.0		
07:45 Volume	22	0	5	0	27	1	224	1	0	226	0	2	3	0	5	1	177	7	0	185	443
Peak Factor																					0.920
High Int.	07:30					07:45					07:00					07:30					
Volume	22	3	6	0	31	1	224	1	0	226	7	0	6	0	13	0	191	9	0	200	
Peak Factor					0.798					0.799					0.712					0.965	

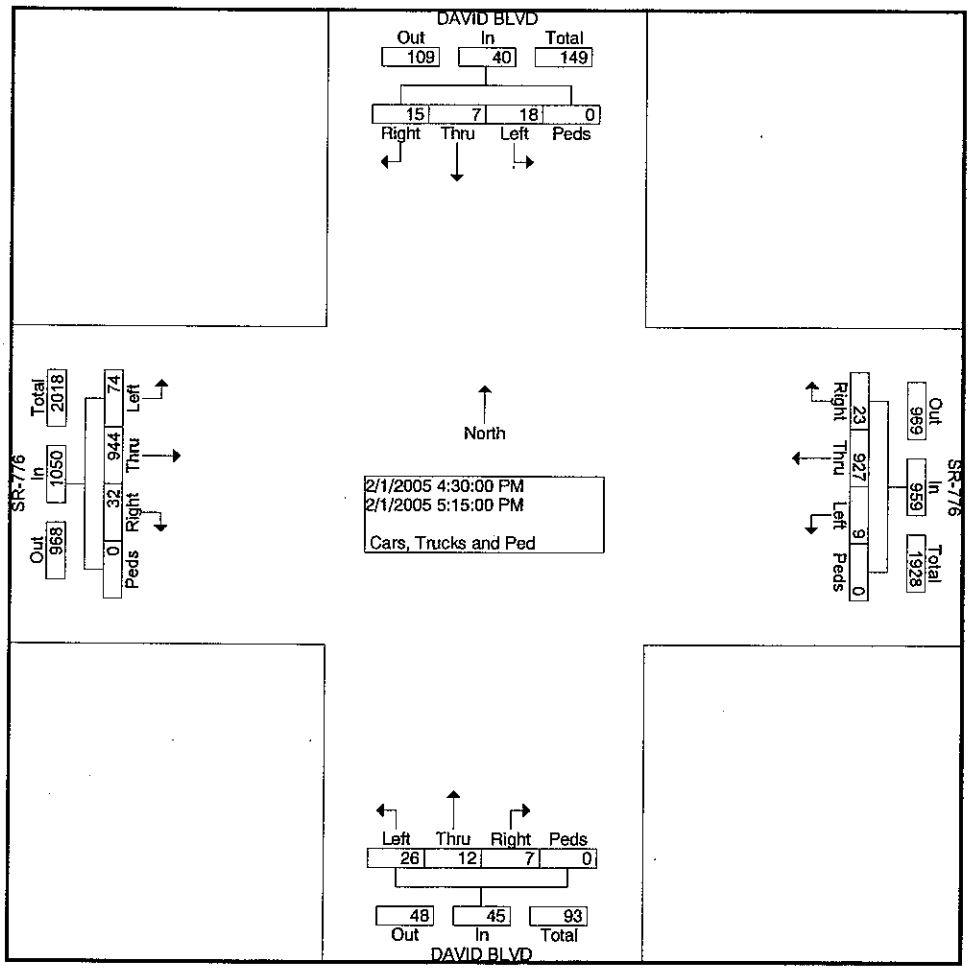


Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2136
Counted By: David S
Weather: Good
Other:

File Name : DAVID AND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 3

	DAVID BLVD Southbound					SR-776 Westbound					DAVID BLVD Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 16:00 to 17:45 - Peak 1 of 1																					
Intersection	16:30																				
Volume	15	7	18	0	40	23	927	9	0	959	7	12	26	0	45	32	944	74	0	1050	2094
Percent	37.5	17.5	45.0	0.0		2.4	96.7	0.9	0.0		15.6	26.7	57.8	0.0		3.0	89.9	7.0	0.0		
17:00 Volume	6	2	4	0	12	5	236	3	0	244	2	3	8	0	13	8	237	18	0	263	532
Peak Factor																					0.984
High Int.	16:45					17:00					16:45					16:30					
Volume	3	0	9	0	12	5	236	3	0	244	1	6	6	0	13	5	245	16	0	266	
Peak Factor					0.833					0.983					0.865					0.987	



Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2136
Counted By: David S
Weather: Good
Other:

File Name : DAVID AND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 1

Groups Printed- Trucks and Bikes

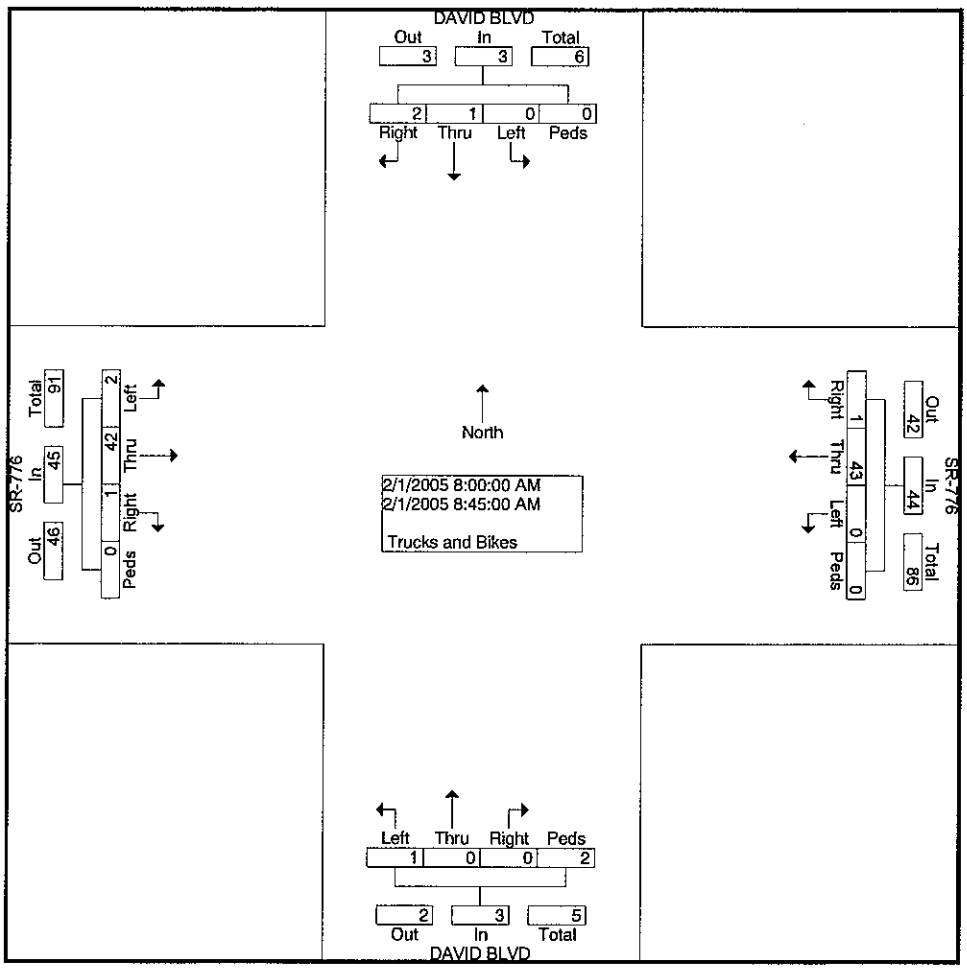
	DAVID BLVD Southbound				SR-776 Westbound				DAVID BLVD Northbound				SR-776 Eastbound				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
07:00	0	0	1	0	0	4	0	0	1	0	0	0	0	8	0	0	14
07:15	0	1	0	0	2	6	0	0	0	0	0	1	0	12	1	0	23
07:30	1	1	0	0	0	13	0	0	0	0	0	0	0	7	0	0	22
07:45	1	0	1	0	0	8	0	0	0	0	0	0	0	6	0	0	16
Total	2	2	2	0	2	31	0	0	1	0	0	1	0	33	1	0	75
08:00	0	0	0	0	0	11	0	0	0	0	0	1	0	15	2	0	29
08:15	0	0	0	0	0	4	0	0	0	0	1	1	0	8	0	0	14
08:30	1	1	0	0	1	14	0	0	0	0	0	0	0	5	0	0	22
08:45	1	0	0	0	0	14	0	0	0	0	0	0	1	14	0	0	30
Total	2	1	0	0	1	43	0	0	0	0	1	2	1	42	2	0	95
BREAK ----------																	
16:00	1	0	0	1	0	4	0	0	0	0	0	1	0	3	0	0	10
16:15	0	1	0	0	0	6	0	0	0	0	0	1	0	5	0	0	13
16:30	0	0	0	0	0	9	0	0	0	0	0	0	0	8	0	0	17
16:45	1	0	0	0	0	7	0	0	0	1	0	1	0	4	0	0	14
Total	2	1	0	1	0	26	0	0	0	1	0	3	0	20	0	0	54
17:00	0	0	0	0	0	11	0	0	0	0	0	1	0	4	0	0	16
17:15	0	0	0	0	0	4	0	0	0	0	0	0	0	3	0	0	7
17:30	0	0	0	0	0	8	0	0	0	0	0	0	0	6	0	0	14
17:45	0	0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	8
Total	0	0	0	0	0	27	0	0	0	0	0	1	0	17	0	0	45
Grand Total	6	4	2	1	3	127	0	0	1	1	1	7	1	112	3	0	269
Apprch %	46.2	30.8	15.4	7.7	2.3	97.7	0.0	0.0	10.0	10.0	10.0	70.0	0.9	96.6	2.6	0.0	
Total %	2.2	1.5	0.7	0.4	1.1	47.2	0.0	0.0	0.4	0.4	0.4	2.6	0.4	41.6	1.1	0.0	

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2136
Counted By: David S
Weather: Good
Other:

File Name : DAVID AND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 2

	DAVID BLVD Southbound					SR-776 Westbound					DAVID BLVD Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 to 08:45 - Peak 1 of 1																					
Intersection	08:00																				
Volume	2	1	0	0	3	1	43	0	0	44	0	0	1	2	3	1	42	2	0	45	95
Percent	66.7	33.3	0.0	0.0		2.3	97.7	0.0	0.0		0.0	0.0	33.3	66.7		2.2	93.3	4.4	0.0		
08:45 Volume	1	0	0	0	1	0	14	0	0	14	0	0	0	0	0	1	14	0	0	15	30
Peak Factor																					0.792
High Int.	08:30					08:30					08:15					08:00					
Volume	1	1	0	0	2	1	14	0	0	15	0	0	1	1	2	0	15	2	0	17	
Peak Factor					0.375					0.733					0.375					0.662	

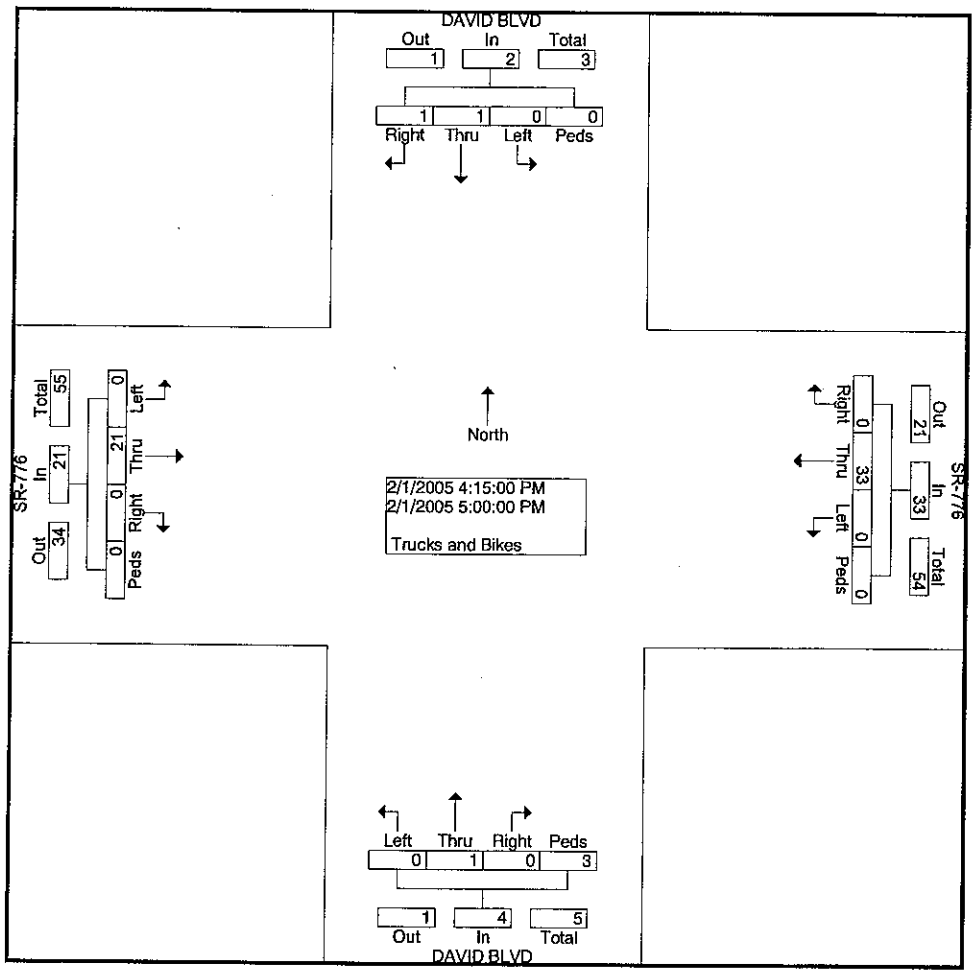


Counter: 2136
Counted By: David S
Weather: Good
Other:

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : DAVID AND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 3

	DAVID BLVD Southbound					SR-776 Westbound					DAVID BLVD Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 16:00 to 17:45 - Peak 1 of 1																					
Intersection	16:15																				
Volume	1	1	0	0	2	0	33	0	0	33	0	1	0	3	4	0	21	0	0	21	60
Percent	50.0	50.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	25.0	0.0	75.0		0.0	100.0	0.0	0.0		
16:30 Volume	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	8	0	0	8	17
Peak Factor																					0.882
High Int.	16:15					17:00					16:45					16:30					
Volume	0	1	0	0	1	0	11	0	0	11	0	1	0	1	2	0	8	0	0	8	
Peak Factor					0.500					0.750					0.500					0.656	



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

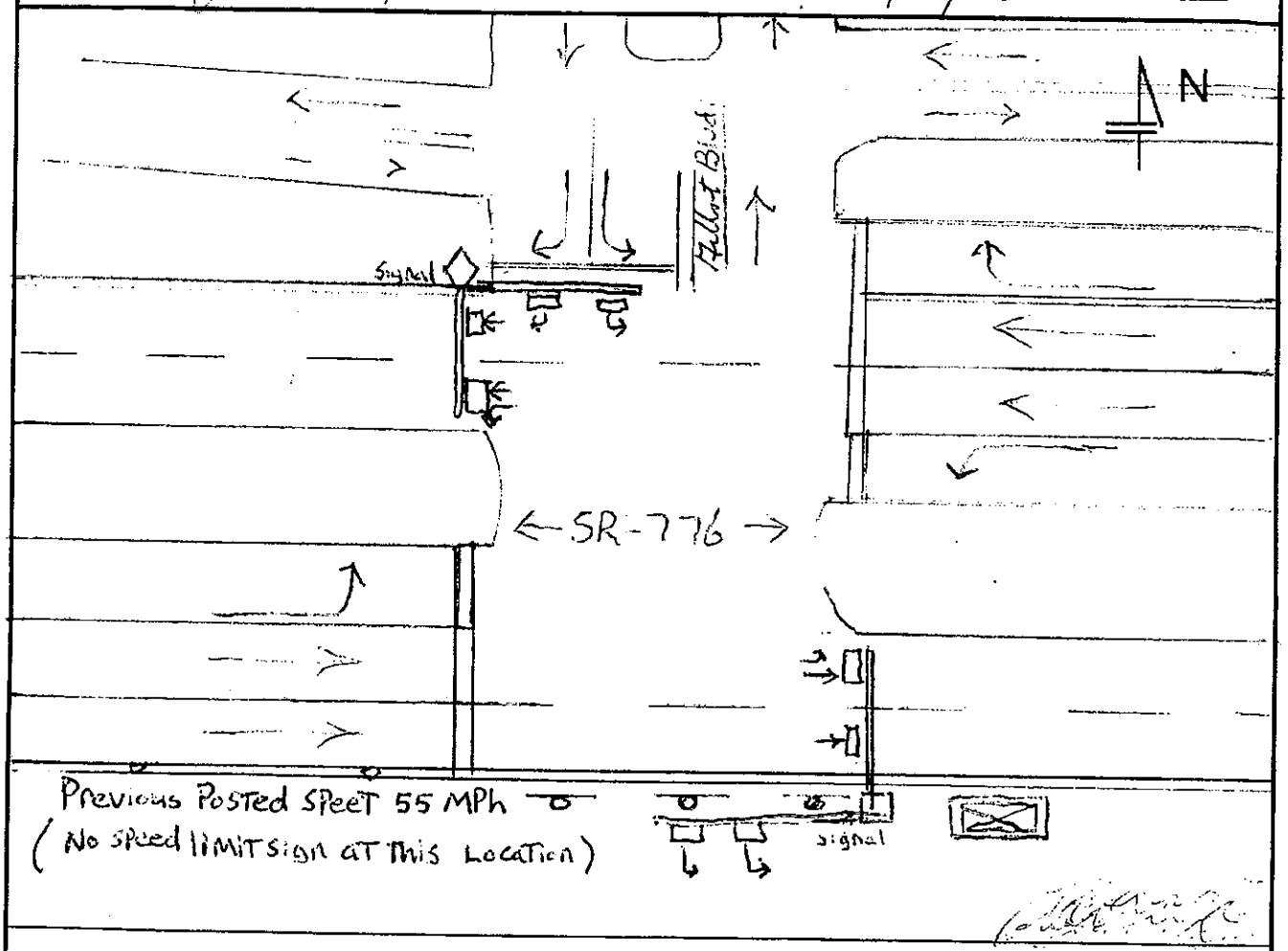
CONDITION DIAGRAM

FORM 750-020-04
TRAFFIC ENGINEERING
10/99

LOCATION ID: SR-776 & Hillsborough Blvd.

COUNTY: Charlotte Co. CITY:

DRAWN BY: John Mathews DATE: 1/07/05



SYMBOLS

	TREES		POWER POLE		SIGN (1 POST)
	SHRUBS		TELEPHONE POLE		SIGN (2 POSTS)
	HEDGE		COMBINATION POLE		OVERHEAD SIGN
	BUILDING		TRAFFIC SIGNAL POLE		TRAFFIC SIGNAL HEAD
	RIGHT OF WAY LINE		HYDRANT		PED. SIGNAL HEAD
	FENCE		CONTROLLER CABINET		PED. PUSHBUTTON
	GUARDRAIL		VEHICLE DETECTOR LOOP		RR SIGNAL (W/GATE)

RECYCLED PAPER

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2131
Counted By: Jason
Weather: Good
Other:

File Name : 2131_020305
Site Code : 00002131
Start Date : 2/3/2005
Page No : 1

Groups Printed- Cars, Trucks and Ped

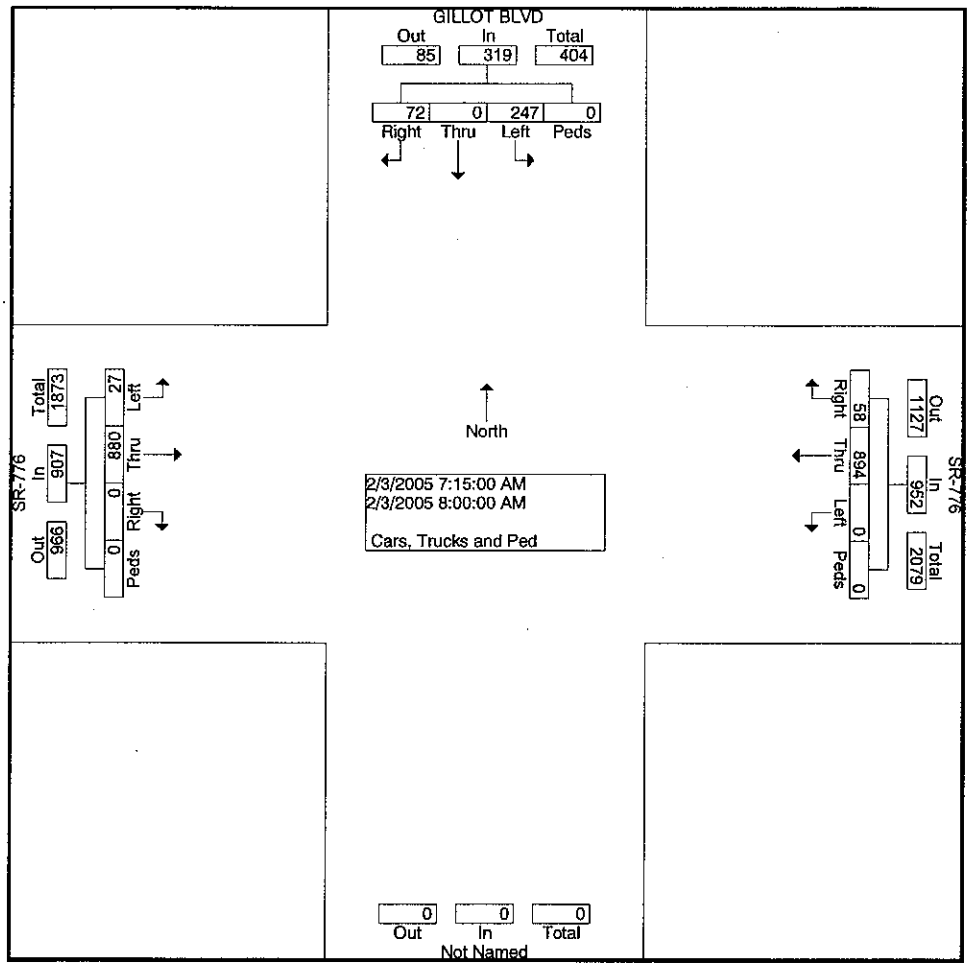
	GILLOT BLVD Southbound				SR-776 Westbound				SR-776 Eastbound				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
07:00	18	0	36	0	16	207	0	0	0	147	9	0	433
07:15	23	0	65	0	13	254	0	0	0	210	5	0	570
07:30	16	0	80	0	9	237	0	0	0	224	1	0	567
07:45	15	0	65	0	17	200	0	0	0	236	10	0	543
Total	72	0	246	0	55	898	0	0	0	817	25	0	2113
08:00	18	0	37	0	19	203	0	0	0	210	11	0	498
08:15	8	0	39	0	16	194	0	0	0	203	5	0	465
08:30	18	0	50	0	25	223	0	0	0	230	9	0	555
08:45	14	0	34	0	14	198	0	0	0	208	7	0	475
Total	58	0	160	0	74	818	0	0	0	851	32	0	1993
BREAK ----------													
16:00	10	0	36	0	25	265	0	0	0	246	37	0	619
16:15	7	0	21	0	48	287	0	0	0	310	21	0	694
16:30	16	0	30	1	54	292	0	0	0	279	20	0	692
16:45	15	0	34	3	37	297	0	0	0	226	27	0	639
Total	48	0	121	4	164	1141	0	0	0	1061	105	0	2644
17:00	16	0	30	0	49	316	0	0	0	216	29	0	656
17:15	16	0	21	0	64	326	0	1	0	280	31	0	739
17:30	10	0	30	0	44	336	0	0	0	241	18	0	679
17:45	9	0	31	0	66	267	0	0	0	207	38	0	618
Total	51	0	112	0	223	1245	0	1	0	944	116	0	2692
Grand Total	229	0	639	4	516	4102	0	1	0	3673	278	0	9442
Apprch %	26.3	0.0	73.3	0.5	11.2	88.8	0.0	0.0	0.0	93.0	7.0	0.0	
Total %	2.4	0.0	6.8	0.0	5.5	43.4	0.0	0.0	0.0	38.9	2.9	0.0	

Counter: 2131
Counted By: Jason
Weather: Good
Other:

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : 2131_020305
Site Code : 00002131
Start Date : 2/3/2005
Page No : 2

	GILLOT BLVD Southbound					SR-776 Westbound						SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 to 08:45 - Peak 1 of 1																	
Intersection 07:15																	
Volume	72	0	247	0	319	58	894	0	0	952	0	0	880	27	0	907	2178
Percent	22.6	0.0	77.4	0.0		6.1	93.9	0.0	0.0			0.0	97.0	3.0	0.0		
07:15 Volume	23	0	65	0	88	13	254	0	0	267	0	0	210	5	0	215	570
Peak Factor																	0.955
High Int.	07:30					07:15					6:45:00 AM	07:45					
Volume	16	0	80	0	96	13	254	0	0	267	0	0	236	10	0	246	
Peak Factor					0.831					0.891						0.922	

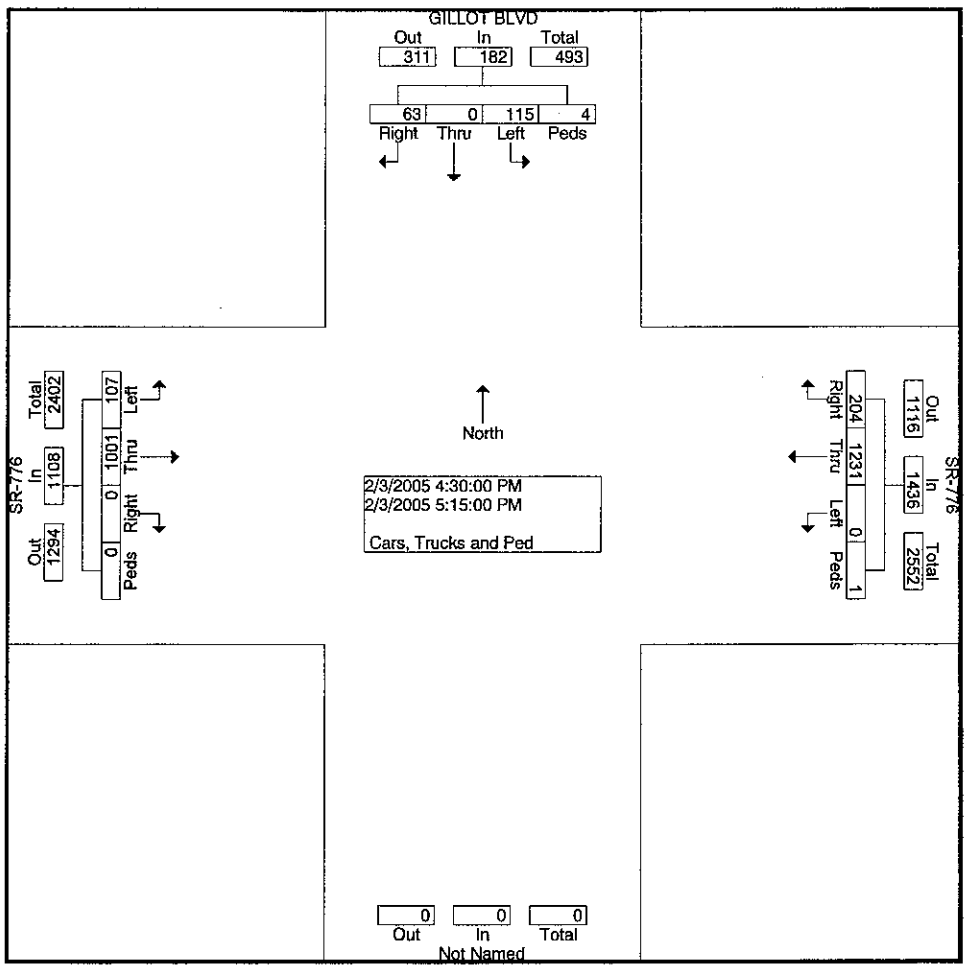


Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2131
Counted By: Jason
Weather: Good
Other:

File Name : 2131_020305
Site Code : 00002131
Start Date : 2/3/2005
Page No : 3

	GILLOT BLVD Southbound					SR-776 Westbound						SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 16:00 to 17:45 - Peak 1 of 1																	
Intersection	16:30																
Volume	63	0	115	4	182	204	1231	0	1	1436	0	0	1001	107	0	1108	2726
Percent	34.6	0.0	63.2	2.2		14.2	85.7	0.0	0.1			0.0	90.3	9.7	0.0		
17:15 Volume	16	0	21	0	37	64	326	0	1	391	0	0	280	31	0	311	739
Peak Factor																	0.922
High Int.	16:45					17:15						17:15					
Volume	15	0	34	3	52	64	326	0	1	391	0	0	280	31	0	311	
Peak Factor					0.875					0.918						0.891	



Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2131
Counted By: Jason
Weather: Good
Other:

File Name : 2131_020305
Site Code : 00002131
Start Date : 2/3/2005
Page No : 1

Groups Printed- Trucks and Bikes

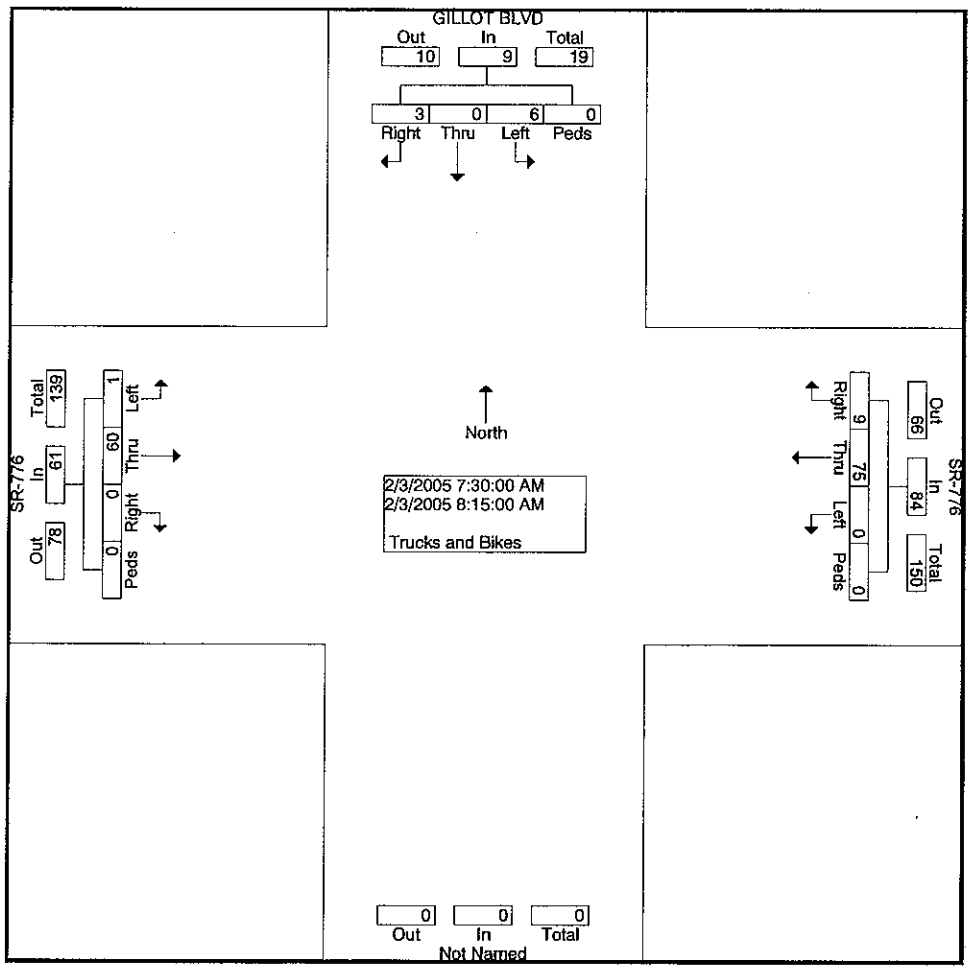
	GILLOT BLVD Southbound				SR-776 Westbound				SR-776 Eastbound				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
07:00	1	0	0	0	3	15	0	0	0	5	0	0	24
07:15	0	0	0	0	1	19	0	0	0	14	0	0	34
07:30	0	0	4	0	1	23	0	0	0	20	0	0	48
07:45	0	0	1	0	6	10	0	0	0	10	0	0	27
Total	1	0	5	0	11	67	0	0	0	49	0	0	133
08:00	3	0	1	0	2	20	0	0	0	12	0	0	38
08:15	0	0	0	0	0	22	0	0	0	18	1	0	41
08:30	2	0	0	0	0	14	0	0	0	10	0	0	26
08:45	0	0	1	0	0	12	0	0	0	21	0	0	34
Total	5	0	2	0	2	68	0	0	0	61	1	0	139
BREAK ----------													
16:00	0	0	1	0	1	5	0	0	0	5	0	0	12
16:15	1	0	1	0	0	15	0	0	0	9	0	0	26
16:30	0	0	0	0	1	11	0	0	0	7	0	0	19
16:45	0	0	5	0	0	13	0	0	0	10	0	0	28
Total	1	0	7	0	2	44	0	0	0	31	0	0	85
17:00	0	0	0	1	1	10	0	0	0	10	1	0	23
17:15	0	0	0	0	0	6	0	0	0	7	0	0	13
17:30	0	0	0	0	0	10	0	0	0	1	0	0	11
17:45	0	0	0	0	0	7	0	0	0	9	0	0	16
Total	0	0	0	1	1	33	0	0	0	27	1	0	63
Grand Total	7	0	14	1	16	212	0	0	0	168	2	0	420
Apprch %	31.8	0.0	63.6	4.5	7.0	93.0	0.0	0.0	0.0	98.8	1.2	0.0	
Total %	1.7	0.0	3.3	0.2	3.8	50.5	0.0	0.0	0.0	40.0	0.5	0.0	

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2131
Counted By: Jason
Weather: Good
Other:

File Name : 2131_020305
Site Code : 00002131
Start Date : 2/3/2005
Page No : 2

	GILLOT BLVD Southbound					SR-776 Westbound						SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 to 08:45 - Peak 1 of 1																	
Intersection 07:30																	
Volume	3	0	6	0	9	9	75	0	0	84	0	0	60	1	0	61	154
Percent	33.3	0.0	66.7	0.0		10.7	89.3	0.0	0.0			0.0	98.4	1.6	0.0		
07:30 Volume	0	0	4	0	4	1	23	0	0	24	0	0	20	0	0	20	48
Peak Factor																	0.802
High Int.	07:30					07:30					6:45:00 AM	07:30					
Volume	0	0	4	0	4	1	23	0	0	24	0	0	20	0	0	20	
Peak Factor					0.563					0.875						0.763	

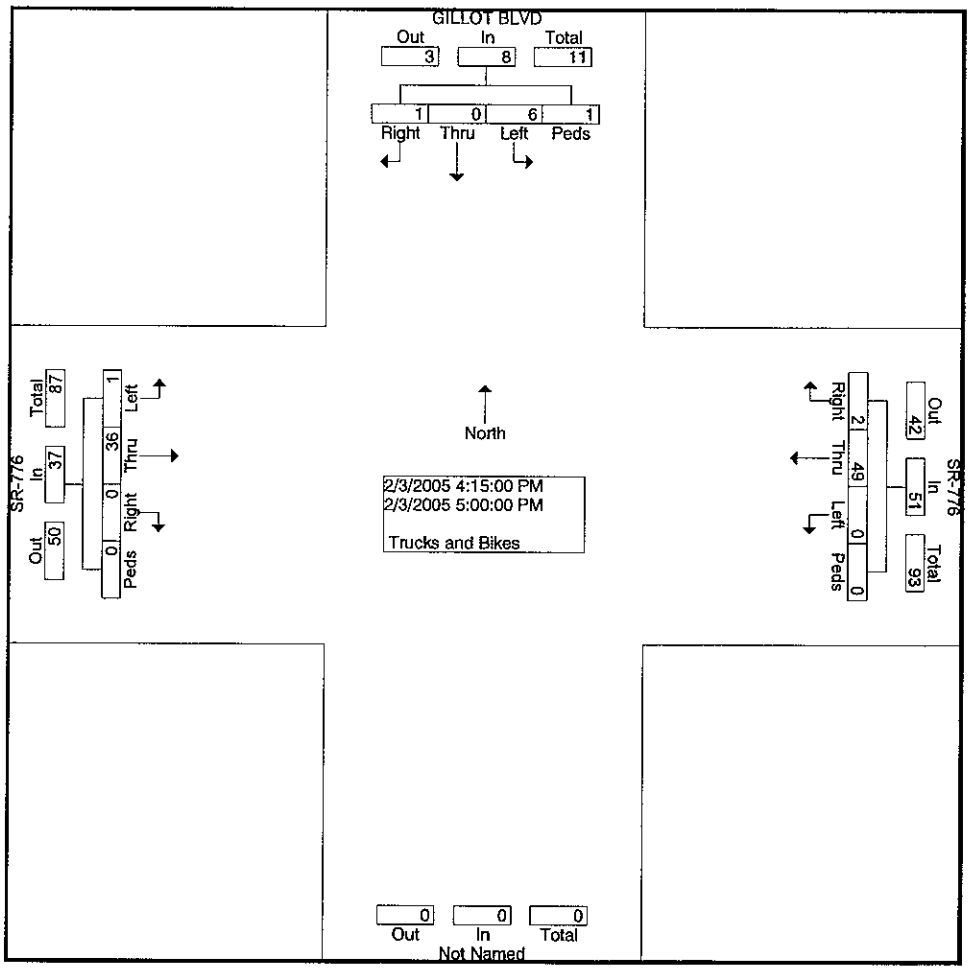


Counter: 2131
Counted By: Jason
Weather: Good
Other:

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : 2131_020305
Site Code : 00002131
Start Date : 2/3/2005
Page No : 3

	GILLOT BLVD Southbound					SR-776 Westbound						SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 16:00 to 17:45 - Peak 1 of 1																	
Intersection	16:15																
Volume	1	0	6	1	8	2	49	0	0	51	0	0	36	1	0	37	96
Percent	12.5	0.0	75.0	12.5		3.9	96.1	0.0	0.0			0.0	97.3	2.7	0.0		
16:45 Volume	0	0	5	0	5	0	13	0	0	13	0	0	10	0	0	10	28
Peak Factor																	0.857
High Int.	16:45					16:15						17:00					
Volume	0	0	5	0	5	0	15	0	0	15	0	0	10	1	0	11	
Peak Factor					0.400					0.850						0.841	



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

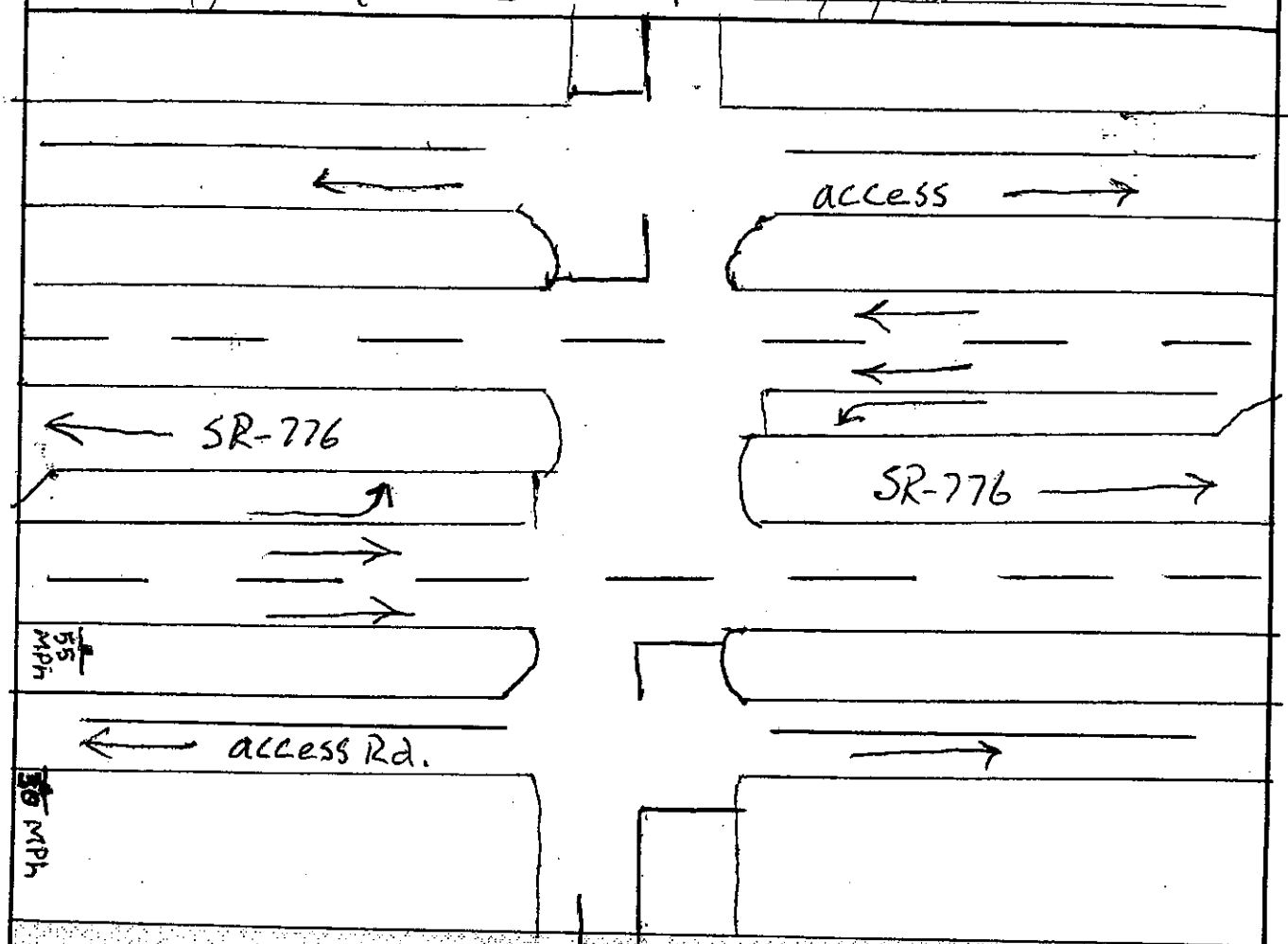
CONDITION DIAGRAM

FORM 750-020-04
TRAFFIC ENGINEERING
10/99

LOCATION ID: SR-776 & OceanSpray

COUNTY: Charlotte CITY:

DRAWN BY: John Mathews DATE: 1/17/05



SYMBOLS

	TREES		POWER POLE		SIGN (1 POST)
	SHRUBS		TELEPHONE POLE		SIGN (2 POSTS)
	HEDGE		COMBINATION POLE		OVERHEAD SIGN
	BUILDING		TRAFFIC SIGNAL POLE		TRAFFIC SIGNAL HEAD
	RIGHT OF WAY LINE		HYDRANT		PED. SIGNAL HEAD
	FENCE		CONTROLLER CABINET		PED. PUSHBUTTON
	GUARDRAIL		VEHICLE DETECTOR LOOP		RR SIGNAL (W/GATE)

RECYCLED PAPER

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2084
Counted By: Mike
Weather: Good
Other:

File Name : OCEANSPRAYand SR 776
Site Code : 00002084
Start Date : 2/1/2005
Page No : 1

Groups Printed- Cars, Trucks and Ped

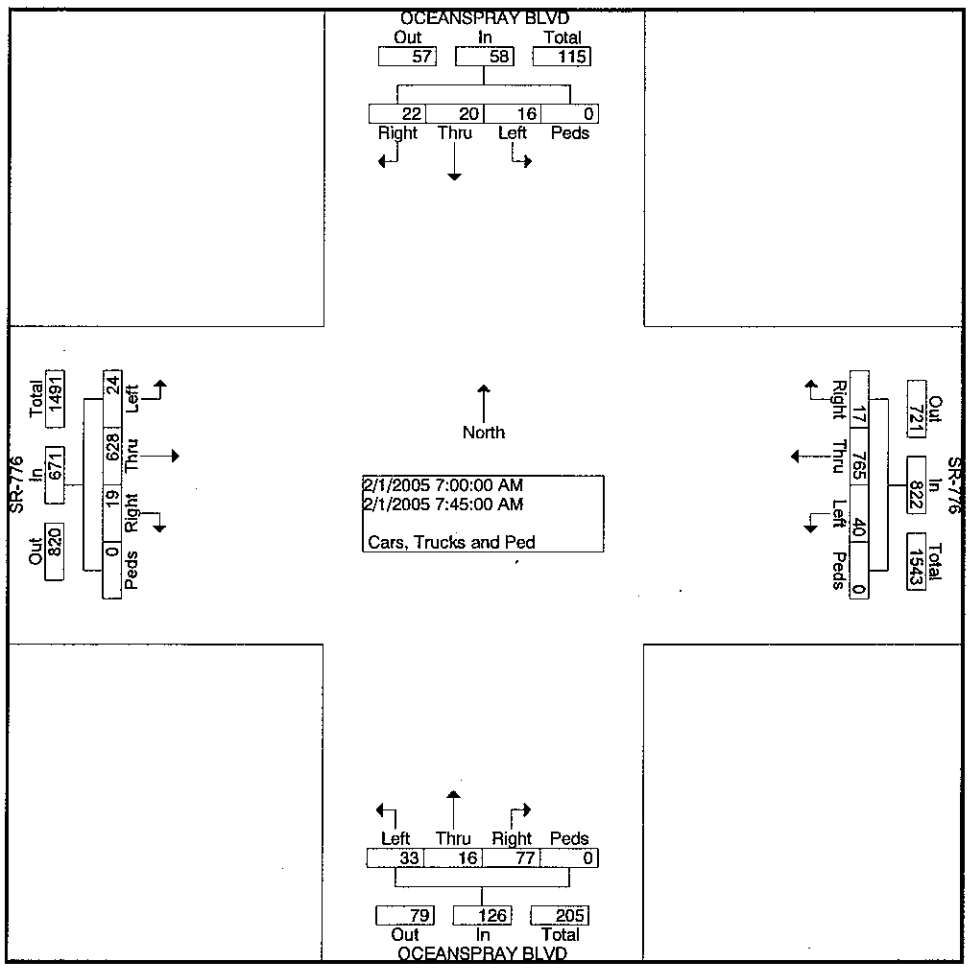
	OCEANSPRAY BLVD Southbound				SR-776 Westbound				OCEANSPRAY BLVD Northbound				SR-776 Eastbound				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
07:00	1	5	4	0	5	129	10	0	22	6	8	0	7	161	5	0	363
07:15	6	8	5	0	2	182	14	0	19	4	11	0	5	145	8	0	409
07:30	7	4	5	0	2	204	6	0	22	4	10	0	3	163	7	0	437
07:45	8	3	2	0	8	250	10	0	14	2	4	0	4	159	4	0	468
Total	22	20	16	0	17	765	40	0	77	16	33	0	19	628	24	0	1677
08:00	4	4	3	0	2	151	6	0	7	3	8	0	5	138	4	0	335
08:15	4	5	4	0	1	174	5	0	14	6	5	0	4	138	7	0	367
08:30	4	2	2	0	2	188	6	0	5	4	7	0	6	161	7	0	394
08:45	6	5	6	0	1	179	6	0	11	5	6	0	6	144	11	0	386
Total	18	16	15	0	6	692	23	0	37	18	26	0	21	581	29	0	1482
BREAK ----------																	
16:00	5	7	5	0	7	231	20	0	8	4	1	0	10	185	13	0	496
16:15	4	8	4	0	1	191	20	0	16	5	3	0	5	201	9	0	467
16:30	5	8	1	0	6	217	26	0	14	6	3	0	6	228	14	0	534
16:45	3	2	2	0	4	199	21	0	22	6	1	0	8	225	11	0	504
Total	17	25	12	0	18	838	87	0	60	21	8	0	29	839	47	0	2001
17:00	7	6	6	0	8	228	24	0	14	7	6	0	16	234	6	0	562
17:15	2	5	5	0	3	211	29	0	19	7	5	0	11	241	17	0	555
17:30	1	6	4	0	4	189	16	0	13	5	6	0	7	213	14	0	478
17:45	2	2	5	0	3	176	22	0	12	6	4	0	13	183	3	0	431
Total	12	19	20	0	18	804	91	0	58	25	21	0	47	871	40	0	2026
Grand Total	69	80	63	0	59	3099	241	0	232	80	88	0	116	2919	140	0	7186
Apprch %	32.5	37.7	29.7	0.0	1.7	91.2	7.1	0.0	58.0	20.0	22.0	0.0	3.7	91.9	4.4	0.0	
Total %	1.0	1.1	0.9	0.0	0.8	43.1	3.4	0.0	3.2	1.1	1.2	0.0	1.6	40.6	1.9	0.0	

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2084
Counted By: Mike
Weather: Good
Other:

File Name : OCEANSPRAYand SR 776
Site Code : 00002084
Start Date : 2/1/2005
Page No : 2

	OCEANSPRAY BLVD Southbound					SR-776 Westbound					OCEANSPRAY BLVD Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 to 08:45 - Peak 1 of 1																					
Intersection	07:00																				
Volume	22	20	16	0	58	17	765	40	0	822	77	16	33	0	126	19	628	24	0	671	1677
Percent	37.9	34.5	27.6	0.0		2.1	93.1	4.9	0.0		61.1	12.7	26.2	0.0		2.8	93.6	3.6	0.0		
07:45 Volume	8	3	2	0	13	8	250	10	0	268	14	2	4	0	20	4	159	4	0	167	468
Peak Factor																					0.896
High Int.	07:15					07:45					07:00					07:00					
Volume	6	8	5	0	19	8	250	10	0	268	22	6	8	0	36	7	161	5	0	173	
Peak Factor					0.763					0.767					0.875					0.970	

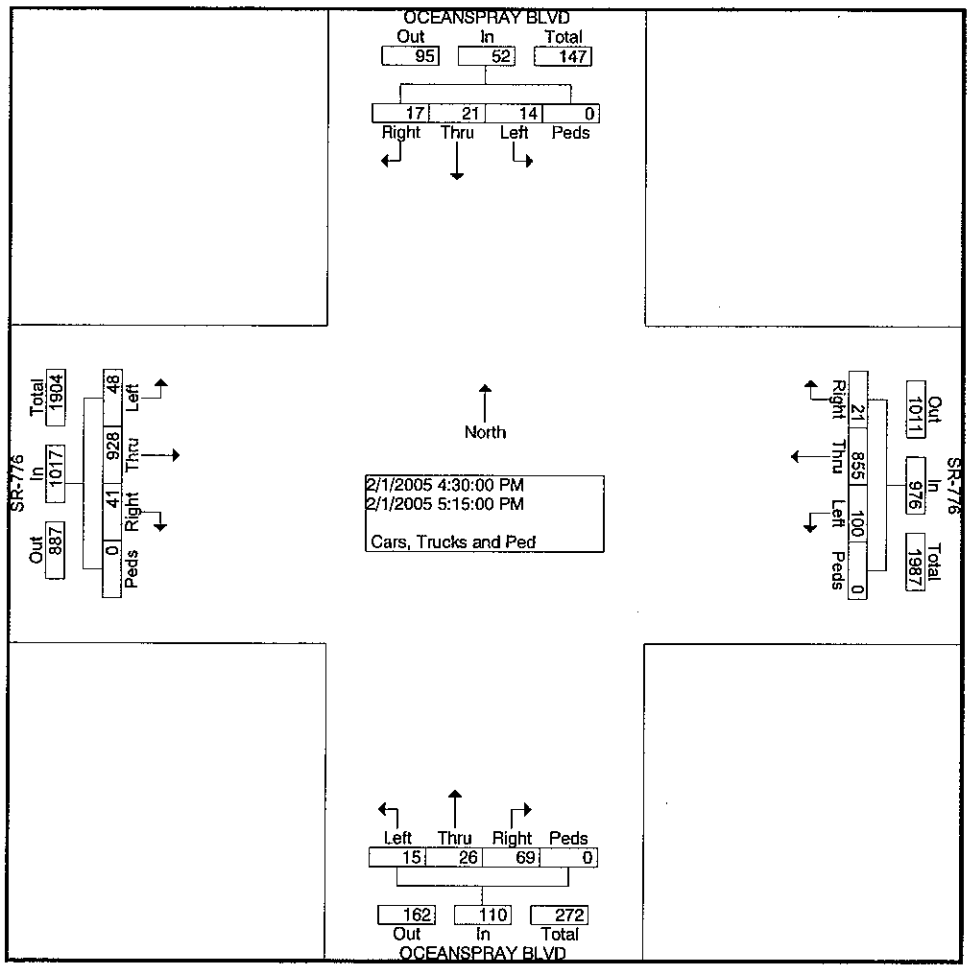


Counter: 2084
Counted By: Mike
Weather: Good
Other:

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : OCEANSPRAYand SR 776
Site Code : 00002084
Start Date : 2/1/2005
Page No : 3

	OCEANSPRAY BLVD Southbound					SR-776 Westbound					OCEANSPRAY BLVD Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 16:00 to 17:45 - Peak 1 of 1																					
Intersection	16:30																				
Volume	17	21	14	0	52	21	855	100	0	976	69	26	15	0	110	41	928	48	0	1017	2155
Percent	32.7	40.4	26.9	0.0		2.2	87.6	10.2	0.0		62.7	23.6	13.6	0.0		4.0	91.2	4.7	0.0		
17:00 Volume	7	6	6	0	19	8	228	24	0	260	14	7	6	0	27	16	234	6	0	256	562
Peak Factor																					0.959
High Int.	17:00					17:00					17:15					17:15					
Volume	7	6	6	0	19	8	228	24	0	260	19	7	5	0	31	11	241	17	0	269	
Peak Factor					0.684					0.938					0.887					0.945	



Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2084
Counted By: Mike
Weather: Good
Other:

File Name : OCEANSPRAYand SR 776
Site Code : 00002084
Start Date : 2/1/2005
Page No : 1

Groups Printed- Trucks and Bikes

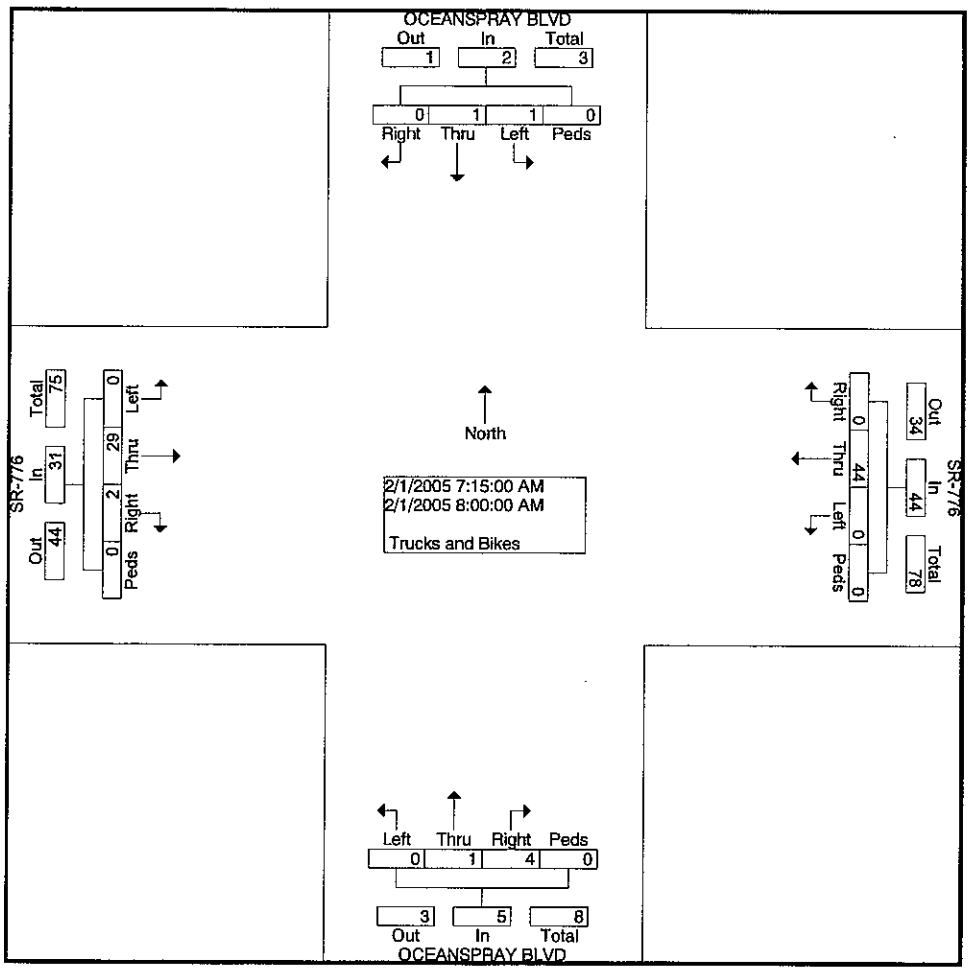
	OCEANSPRAY BLVD Southbound				SR-776 Westbound				OCEANSPRAY BLVD Northbound				SR-776 Eastbound				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
07:00	0	0	0	0	0	3	0	0	1	1	1	0	1	10	0	0	17
07:15	0	0	0	0	0	6	0	0	2	1	0	0	1	7	0	0	17
07:30	0	1	1	0	0	14	0	0	0	0	0	0	1	6	0	0	23
07:45	0	0	0	0	0	12	0	0	2	0	0	0	0	8	0	0	22
Total	0	1	1	0	0	35	0	0	5	2	1	0	3	31	0	0	79
08:00	0	0	0	0	0	12	0	0	0	0	0	0	0	8	0	0	20
08:15	0	0	0	0	0	6	0	0	0	0	0	0	0	5	0	0	11
08:30	0	0	0	0	0	14	0	0	1	0	0	0	0	5	0	0	20
08:45	0	0	0	0	0	10	0	0	0	0	0	0	1	12	1	0	24
Total	0	0	0	0	0	42	0	0	1	0	0	0	1	30	1	0	75
BREAK ----------																	
16:00	0	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0	4
16:15	0	0	0	0	0	2	1	0	1	0	0	0	0	2	0	0	6
16:30	0	0	0	0	0	6	0	0	0	0	0	0	0	7	0	0	13
16:45	0	0	0	0	0	10	2	0	0	0	0	0	0	3	0	0	15
Total	0	0	0	0	0	21	3	0	1	0	0	0	1	12	0	0	38
17:00	0	0	0	0	0	8	0	0	0	0	0	0	0	5	0	0	13
17:15	0	0	0	0	0	6	0	0	0	0	0	0	0	2	0	0	8
17:30	0	0	0	0	0	9	0	0	0	0	0	0	0	6	0	0	15
17:45	0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	5
Total	0	0	0	0	0	26	0	0	0	0	0	0	0	15	0	0	41
Grand Total	0	1	1	0	0	124	3	0	7	2	1	0	5	88	1	0	233
Apprch %	0.0	50.0	50.0	0.0	0.0	97.6	2.4	0.0	70.0	20.0	10.0	0.0	5.3	93.6	1.1	0.0	
Total %	0.0	0.4	0.4	0.0	0.0	53.2	1.3	0.0	3.0	0.9	0.4	0.0	2.1	37.8	0.4	0.0	

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2084
Counted By: Mike
Weather: Good
Other:

File Name : OCEANSPRAYand SR 776
Site Code : 00002084
Start Date : 2/1/2005
Page No : 2

	OCEANSPRAY BLVD Southbound					SR-776 Westbound					OCEANSPRAY BLVD Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 to 08:45 - Peak 1 of 1																					
Intersection	07:15																				
Volume	0	1	1	0	2	0	44	0	0	44	4	1	0	0	5	2	29	0	0	31	82
Percent	0.0	50.0	50.0	0.0		0.0	100.0	0.0	0.0		80.0	20.0	0.0	0.0		6.5	93.5	0.0	0.0		
07:30 Volume	0	1	1	0	2	0	14	0	0	14	0	0	0	0	0	1	6	0	0	7	23
Peak Factor																					0.891
High Int.	07:30					07:30					07:15					07:15					
Volume	0	1	1	0	2	0	14	0	0	14	2	1	0	0	3	1	7	0	0	8	
Peak Factor					0.250					0.786					0.417					0.969	

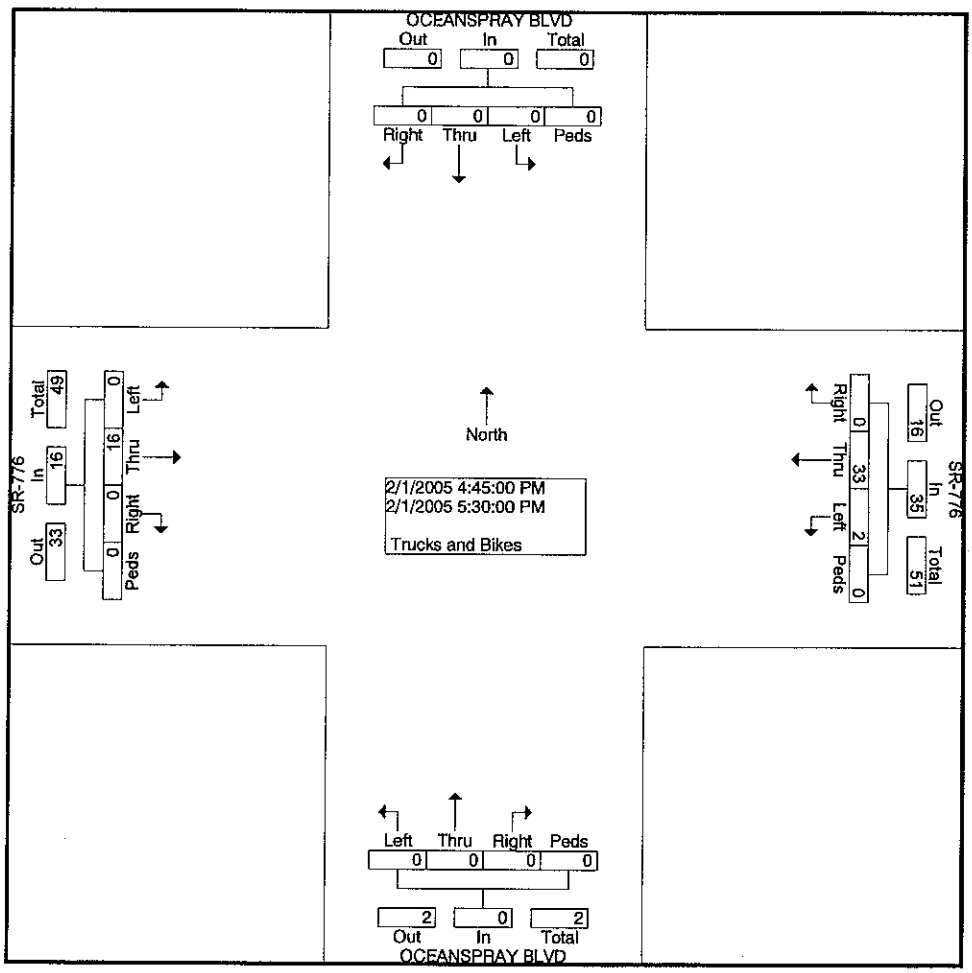


Counter: 2084
Counted By: Mike
Weather: Good
Other:

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : OCEANSPRAYand SR 776
Site Code : 00002084
Start Date : 2/1/2005
Page No : 3

	OCEANSPRAY BLVD Southbound					SR-776 Westbound					OCEANSPRAY BLVD Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 16:00 to 17:45 - Peak 1 of 1																					
Intersection	16:45																				
Volume	0	0	0	0	0	0	33	2	0	35	0	0	0	0	0	0	16	0	0	16	51
Percent	0.0	0.0	0.0	0.0		0.0	94.3	5.7	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
17:30 Volume	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	6	0	0	6	15
Peak Factor																					0.850
High Int. Volume	0	0	0	0	0	16:45 0	10	2	0	12	0	0	0	0	0	17:30 0	6	0	0	6	
Peak Factor										0.729										0.667	



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

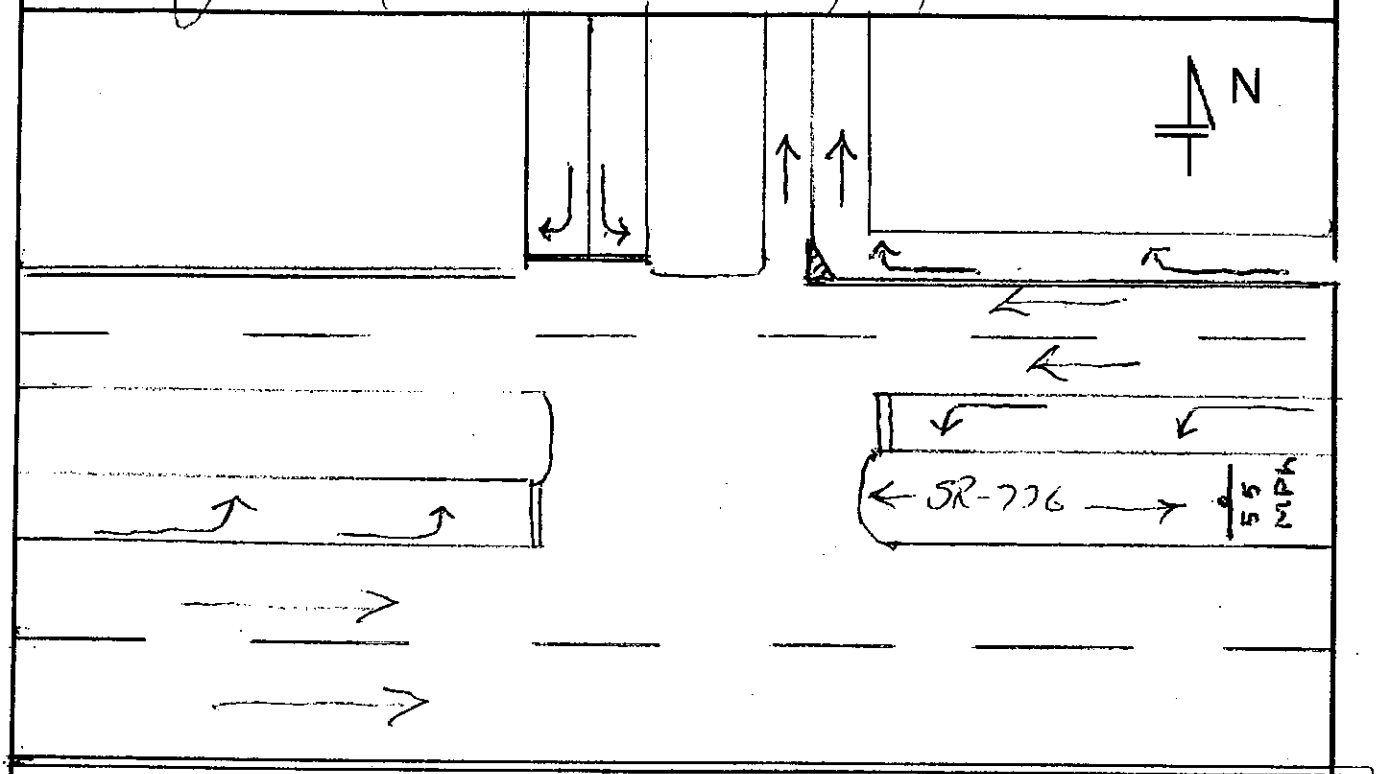
CONDITION DIAGRAM

FORM 750-020-04
TRAFFIC ENGINEERING
10/99

LOCATION ID: SR-776 & River Wood Emt.

COUNTY: Charlotte CITY:

DRAWN BY: John Mathews DATE: 1/17/05



SYMBOLS

	TREES		POWER POLE		SIGN (1 POST)
	SHRUBS		TELEPHONE POLE		SIGN (2 POSTS)
	HEDGE		COMBINATION POLE		OVERHEAD SIGN
	BUILDING		TRAFFIC SIGNAL POLE		TRAFFIC SIGNAL HEAD
	RIGHT OF WAY LINE		HYDRANT		PED. SIGNAL HEAD
	FENCE		CONTROLLER CABINET		PED. PUSHBUTTON
	GUARDRAIL		VEHICLE DETECTOR LOOP		RR SIGNAL (W/GATE)

RECYCLED PAPER

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2073
Counted By: David I
Weather: Good
Other:

File Name : Riverwood and sr-776
Site Code : 00002073
Start Date : 2/1/2005
Page No : 1

Groups Printed- Cars, Trucks and Ped

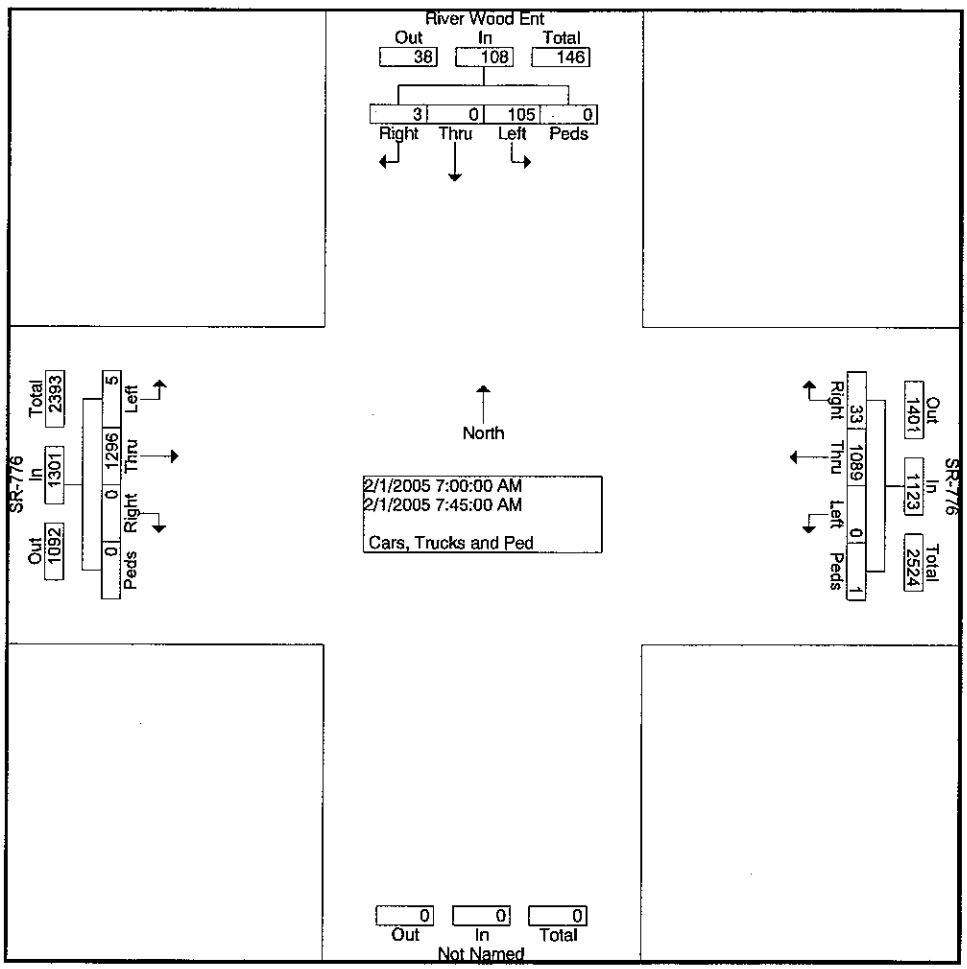
	River Wood Ent Southbound				SR-776 Westbound				SR-776 Eastbound				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
07:00	1	0	22	0	5	251	0	0	0	261	0	0	540
07:15	0	0	19	0	13	261	0	0	0	332	2	0	627
07:30	1	0	35	0	7	316	0	0	0	344	2	0	705
07:45	1	0	29	0	8	261	0	1	0	359	1	0	660
Total	3	0	105	0	33	1089	0	1	0	1296	5	0	2532
08:00	0	0	27	0	8	243	0	0	0	259	0	0	537
08:15	0	0	24	0	8	213	0	0	0	250	2	0	497
08:30	0	0	26	0	5	246	0	0	0	262	0	0	539
08:45	1	0	45	0	8	246	0	0	0	227	1	0	528
Total	1	0	122	0	29	948	0	0	0	998	3	0	2101
09:00	0	0	33	0	8	211	0	0	0	213	9	0	474
09:15	0	0	38	0	9	238	0	0	0	266	0	0	551
09:30	0	0	53	0	18	212	0	0	0	215	1	0	499
09:45	6	0	49	0	36	236	0	0	0	258	9	0	594
Total	6	0	173	0	71	897	0	0	0	952	19	0	2118
BREAK ----------													
11:00	1	0	28	0	24	241	0	0	0	279	3	0	576
11:15	1	0	24	0	18	267	0	0	0	266	2	0	578
11:30	1	0	23	0	19	199	0	0	0	260	3	0	505
11:45	1	0	33	0	9	199	0	0	0	215	2	0	459
Total	4	0	108	0	70	906	0	0	0	1020	10	0	2118
12:00	0	0	15	0	17	247	0	0	0	239	0	0	518
12:15	11	0	44	1	18	265	0	0	0	293	1	0	633
12:30	3	0	34	0	20	281	0	1	0	270	2	0	611
12:45	3	0	29	0	35	307	0	0	0	299	2	0	675
Total	17	0	122	1	90	1100	0	1	0	1101	5	0	2437
BREAK ----------													
15:00	0	0	29	0	29	324	0	0	0	285	0	0	667
15:15	3	0	32	0	26	261	0	1	0	319	1	0	643
15:30	3	0	31	0	34	286	0	0	0	312	1	0	667
15:45	1	0	11	0	31	254	0	0	0	303	1	0	601
Total	7	0	103	0	120	1125	0	1	0	1219	3	0	2578
16:00	1	0	19	0	22	324	0	0	0	368	5	0	739
16:15	2	0	14	0	25	370	0	0	0	344	4	0	759
16:30	0	0	19	0	22	313	0	0	0	290	3	0	647
16:45	1	0	22	0	25	352	0	0	0	344	0	0	744
Total	4	0	74	0	94	1359	0	0	0	1346	12	0	2889
17:00	2	0	18	0	29	380	0	0	0	326	1	0	756
17:15	1	0	20	0	46	352	0	4	0	355	7	0	785
17:30	2	0	25	1	27	351	0	0	0	305	3	0	714
17:45	1	0	28	0	32	345	0	0	0	314	2	0	722
Total	6	0	91	1	134	1428	0	4	0	1300	13	0	2977
Grand Total	48	0	898	2	641	8852	0	7	0	9232	70	0	19750
Apprch %	5.1	0.0	94.7	0.2	6.7	93.2	0.0	0.1	0.0	99.2	0.8	0.0	
Total %	0.2	0.0	4.5	0.0	3.2	44.8	0.0	0.0	0.0	46.7	0.4	0.0	

Counter: 2073
Counted By: David I
Weather: Good
Other:

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : Riverwood and sr-776
Site Code : 00002073
Start Date : 2/1/2005
Page No : 2

	River Wood Ent Southbound					SR-776 Westbound						SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 to 09:45 - Peak 1 of 1																	
Intersection	07:00																
Volume	3	0	105	0	108	33	1089	0	1	1123	0	0	1296	5	0	1301	2532
Percent	2.8	0.0	97.2	0.0		2.9	97.0	0.0	0.1			0.0	99.6	0.4	0.0		
07:30 Volume	1	0	35	0	36	7	316	0	0	323	0	0	344	2	0	346	705
Peak Factor																	0.898
High Int.	07:30					07:30					6:45:00 AM	07:45					
Volume	1	0	35	0	36	7	316	0	0	323	0	0	359	1	0	360	
Peak Factor					0.750					0.869						0.903	



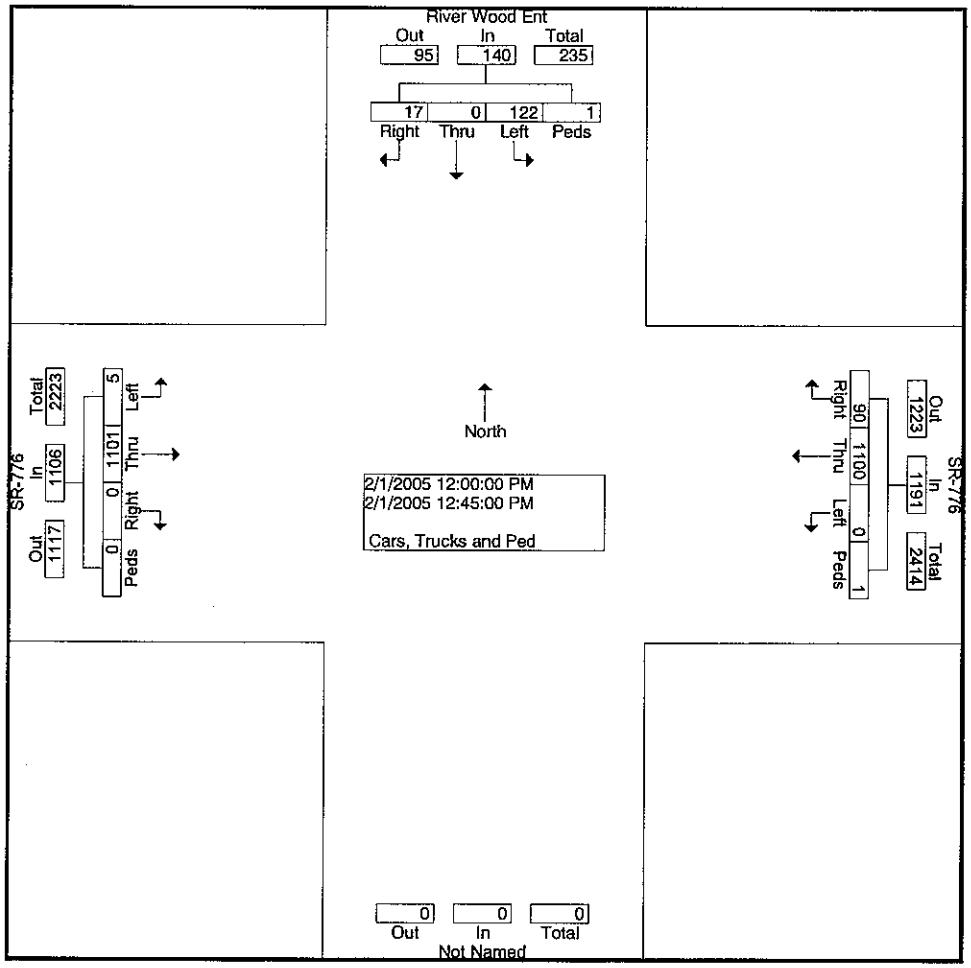
Counter: 2073
Counted By: David I
Weather: Good
Other:

Florida Transportation Engineering,Inc.

8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : Riverwood and sr-776
Site Code : 00002073
Start Date : 2/1/2005
Page No : 3

	River Wood Ent Southbound					SR-776 Westbound						SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 11:00 to 12:45 - Peak 1 of 1																	
Intersection	12:00																
Volume	17	0	122	1	140	90	1100	0	1	1191	0	0	1101	5	0	1106	2437
Percent	12.1	0.0	87.1	0.7		7.6	92.4	0.0	0.1			0.0	99.5	0.5	0.0		
12:45 Volume	3	0	29	0	32	35	307	0	0	342	0	0	299	2	0	301	675
Peak Factor																	0.903
High Int.	12:15					12:45						12:45					
Volume	11	0	44	1	56	35	307	0	0	342	0	0	299	2	0	301	
Peak Factor					0.625					0.871						0.919	

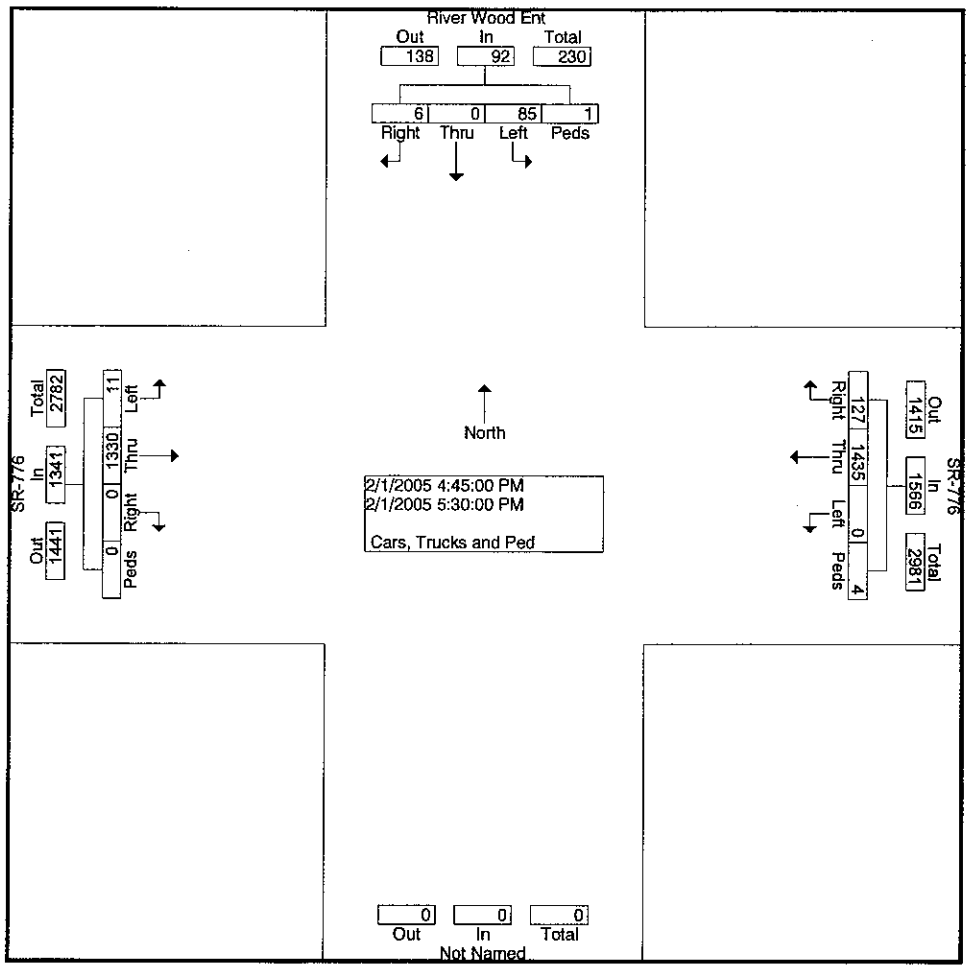


Counter: 2073
Counted By: David I
Weather: Good
Other:

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : Riverwood and sr-776
Site Code : 00002073
Start Date : 2/1/2005
Page No : 4

	River Wood Ent Southbound					SR-776 Westbound						SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 16:00 to 17:45 - Peak 1 of 1																	
Intersection	16:45																
Volume	6	0	85	1	92	127	1435	0	4	1566	0	0	1330	11	0	1341	2999
Percent	6.5	0.0	92.4	1.1		8.1	91.6	0.0	0.3			0.0	99.2	0.8	0.0		
17:15 Volume	1	0	20	0	21	46	352	0	4	402	0	0	355	7	0	362	785
Peak Factor																	0.955
High Int.	17:30					17:00						17:15					
Volume	2	0	25	1	28	29	380	0	0	409	0	0	355	7	0	362	
Peak Factor					0.821					0.957						0.926	



Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2073
Counted By: David I
Weather: Good
Other:

File Name : Riverwood and sr-776
Site Code : 00002073
Start Date : 2/1/2005
Page No : 1

Groups Printed- Trucks and Bikes

	River Wood Ent Southbound				SR-776 Westbound				SR-776 Eastbound				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
07:00	1	0	0	0	0	36	0	0	0	14	0	0	51
07:15	0	0	0	0	1	10	0	0	0	1	0	0	12
07:30	0	0	0	0	0	2	0	0	0	0	0	0	2
07:45	0	0	1	0	0	23	0	0	0	17	0	0	41
Total	1	0	1	0	1	71	0	0	0	32	0	0	106
08:00	0	0	0	0	0	30	0	0	0	2	0	0	32
08:15	0	0	0	0	1	13	0	0	0	7	1	0	22
08:30	0	0	0	0	0	15	0	0	0	1	0	0	16
08:45	0	0	0	0	0	23	0	0	0	1	0	0	24
Total	0	0	0	0	1	81	0	0	0	11	1	0	94
09:00	0	0	0	0	2	21	0	0	0	0	0	0	23
09:15	0	0	0	0	0	14	0	0	0	1	0	0	15
09:30	0	0	1	0	0	22	0	0	0	28	0	0	51
09:45	1	0	0	0	2	12	0	0	0	8	0	0	23
Total	1	0	1	0	4	69	0	0	0	37	0	0	112
BREAK ----------													
11:00	0	0	0	0	0	21	0	0	0	8	0	0	29
11:15	0	0	1	0	0	19	0	0	0	17	0	0	37
11:30	0	0	0	0	1	13	0	0	0	1	0	0	15
11:45	0	0	1	0	0	19	0	0	0	4	0	0	24
Total	0	0	2	0	1	72	0	0	0	30	0	0	105
12:00	0	0	0	0	1	26	0	0	0	13	0	0	40
12:15	0	0	1	0	0	27	0	0	0	18	0	0	46
12:30	0	0	0	0	3	29	0	0	0	5	0	0	37
12:45	0	0	0	0	0	14	0	0	0	22	0	0	36
Total	0	0	1	0	4	96	0	0	0	58	0	0	159
BREAK ----------													
15:00	0	0	0	0	3	25	0	0	0	11	0	0	39
15:15	0	0	0	0	0	18	0	0	0	13	0	0	31
15:30	0	0	4	0	1	20	0	0	0	28	0	0	53
15:45	0	0	0	0	2	22	0	0	0	9	0	0	33
Total	0	0	4	0	6	85	0	0	0	61	0	0	156
16:00	0	0	1	0	0	12	0	0	0	1	0	0	14
16:15	0	0	1	0	0	18	0	0	0	9	0	0	28
16:30	0	0	0	0	0	22	0	0	0	2	0	0	24
16:45	0	0	4	0	0	18	0	0	0	6	0	0	28
Total	0	0	6	0	0	70	0	0	0	18	0	0	94
17:00	0	0	0	0	0	12	0	0	0	1	0	0	13
17:15	0	0	0	0	0	19	0	0	0	1	0	0	20
17:30	0	0	0	0	1	10	0	0	0	1	0	0	12
17:45	0	0	2	0	0	11	0	0	0	1	0	0	14
Total	0	0	2	0	1	52	0	0	0	4	0	0	59
Grand Total	2	0	17	0	18	596	0	0	0	251	1	0	885
Apprch %	10.5	0.0	89.5	0.0	2.9	97.1	0.0	0.0	0.0	99.6	0.4	0.0	
Total %	0.2	0.0	1.9	0.0	2.0	67.3	0.0	0.0	0.0	28.4	0.1	0.0	

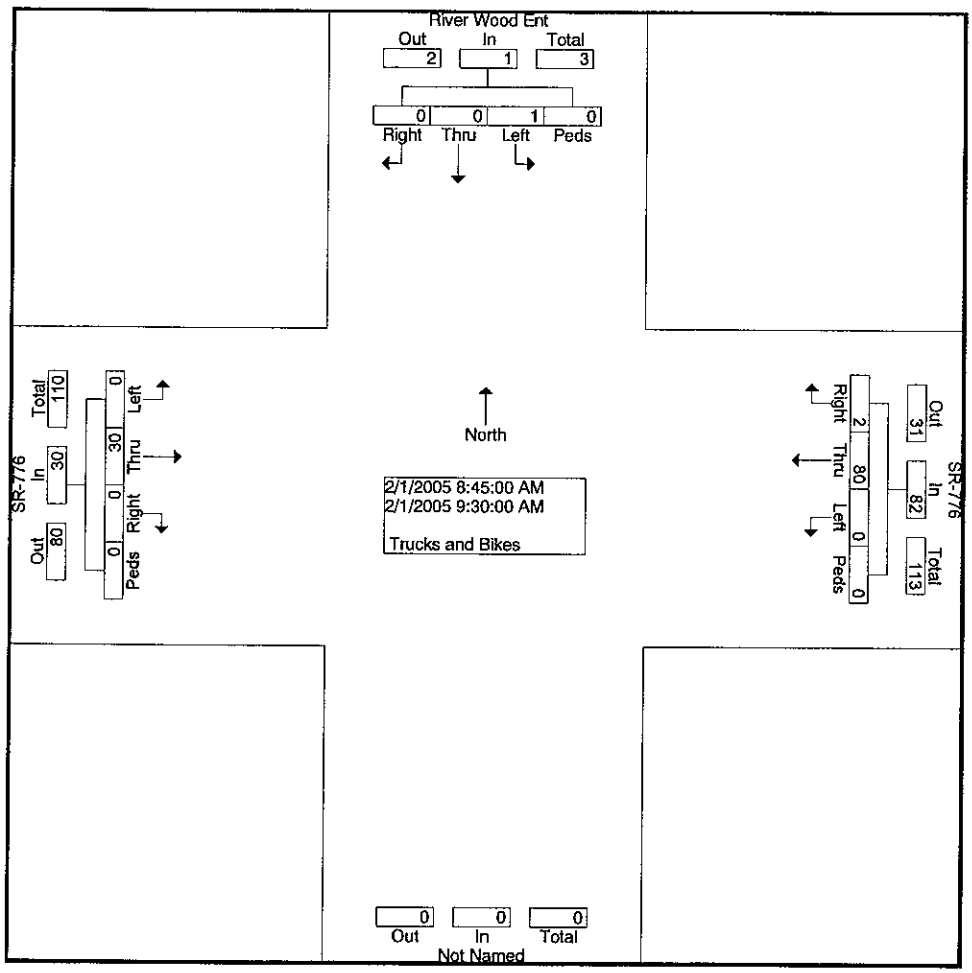
Counter: 2073
Counted By: David I
Weather: Good
Other:

Florida Transportation Engineering,Inc.

8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : Riverwood and sr-776
Site Code : 00002073
Start Date : 2/1/2005
Page No : 2

	River Wood Ent Southbound					SR-776 Westbound						SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 to 09:45 - Peak 1 of 1																	
Intersection	08:45																
Volume	0	0	1	0	1	2	80	0	0	82	0	0	30	0	0	30	113
Percent	0.0	0.0	100.0	0.0		2.4	97.6	0.0	0.0			0.0	100.0	0.0	0.0		
09:30 Volume	0	0	1	0	1	0	22	0	0	22	0	0	28	0	0	28	51
Peak Factor																	0.554
High Int.	09:30					08:45					6:45:00 AM	09:30					
Volume	0	0	1	0	1	0	23	0	0	23	0	0	28	0	0	28	
Peak Factor					0.250					0.891						0.268	

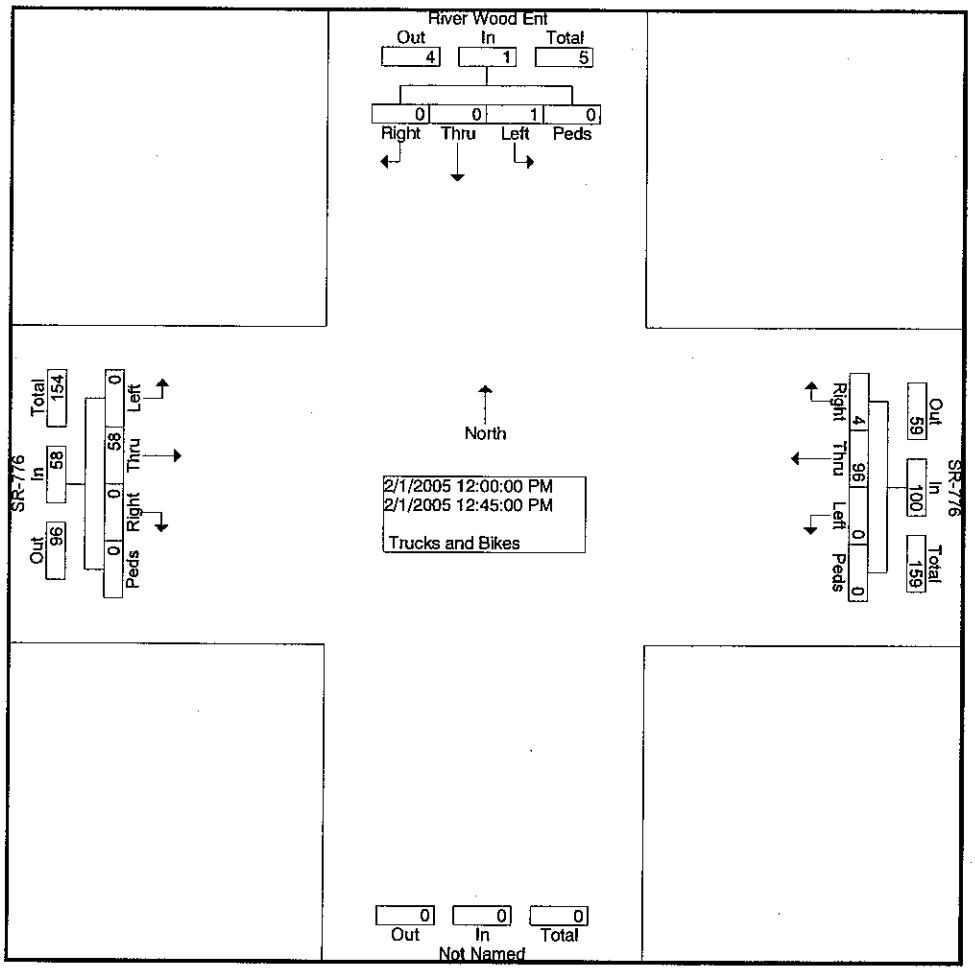


Counter: 2073
Counted By: David I
Weather: Good
Other:

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : Riverwood and sr-776
Site Code : 00002073
Start Date : 2/1/2005
Page No : 3

	River Wood Ent Southbound					SR-776 Westbound						SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 11:00 to 12:45 - Peak 1 of 1																	
Intersection	12:00																
Volume	0	0	1	0	1	4	96	0	0	100	0	0	58	0	0	58	159
Percent	0.0	0.0	100.0	0.0		4.0	96.0	0.0	0.0			0.0	100.0	0.0	0.0		
12:15 Volume	0	0	1	0	1	0	27	0	0	27	0	0	18	0	0	18	46
Peak Factor																	0.864
High Int.	12:15					12:30						12:45					
Volume	0	0	1	0	1	3	29	0	0	32	0	0	22	0	0	22	
Peak Factor					0.250					0.781						0.659	

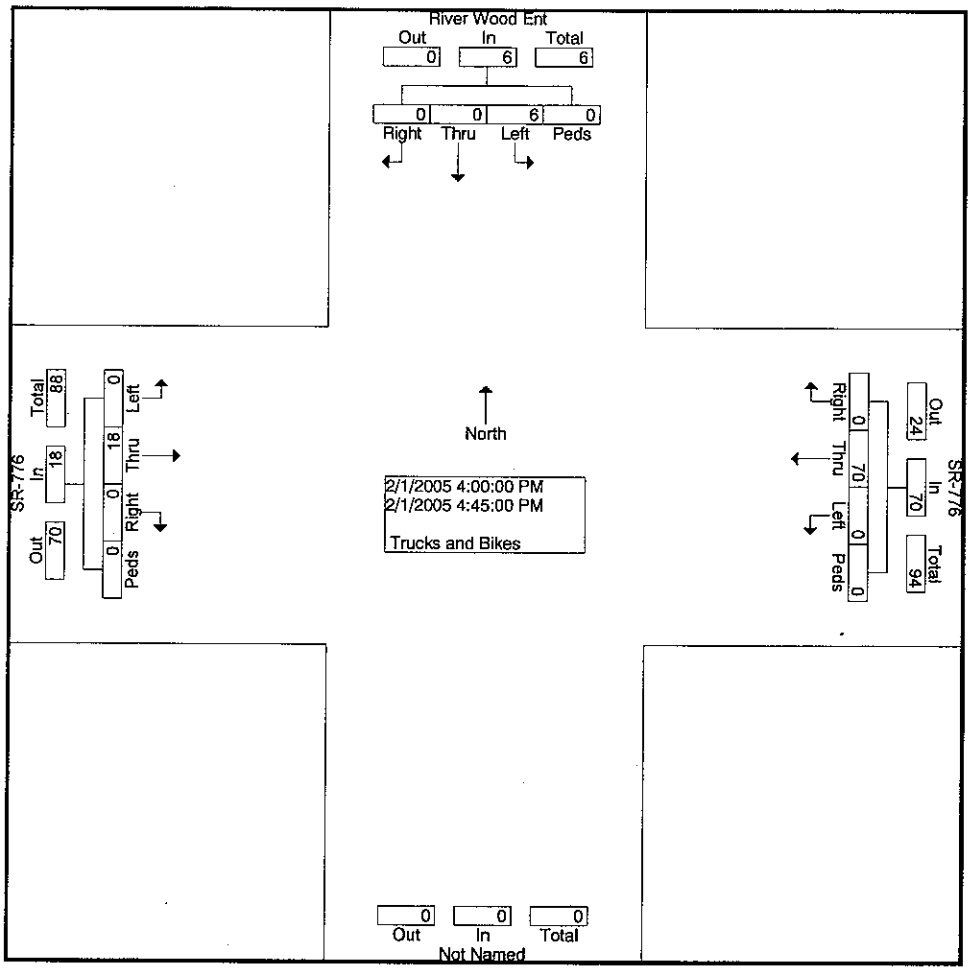


Counter: 2073
Counted By: David I
Weather: Good
Other:

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : Riverwood and sr-776
Site Code : 00002073
Start Date : 2/1/2005
Page No : 4

	River Wood Ent Southbound					SR-776 Westbound						SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 16:00 to 17:45 - Peak 1 of 1																	
Intersection	16:00																
Volume	0	0	6	0	6	0	70	0	0	70	0	0	18	0	0	18	94
Percent	0.0	0.0	100.0	0.0		0.0	100.0	0.0	0.0			0.0	100.0	0.0	0.0		
16:45 Volume	0	0	4	0	4	0	18	0	0	18	0	0	6	0	0	6	28
Peak Factor																	0.839
High Int.	16:45					16:30						16:15					
Volume	0	0	4	0	4	0	22	0	0	22	0	0	9	0	0	9	
Peak Factor					0.375					0.795						0.500	



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

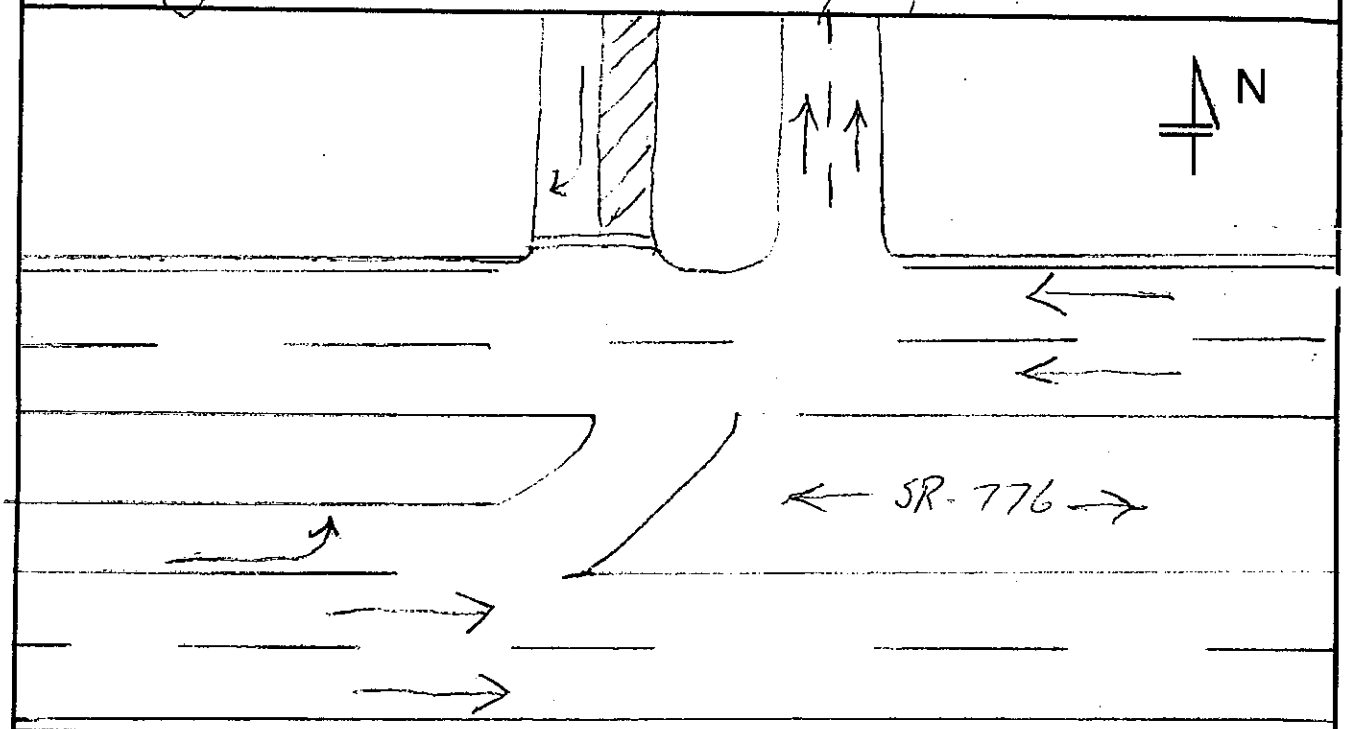
CONDITION DIAGRAM

FORM 750-020-04
TRAFFIC ENGINEERING
10/99

LOCATION ID: SR-776 & Willow Bend ENT.

COUNTY: Charlotte CITY:

DRAWN BY: John Mathews DATE: 1/12/05



Previous Posted Speed 55 MPH
(No Speed Limit sign at This Location)

SYMBOLS

	TREES		POWER POLE		SIGN (1 POST)
	SHRUBS		TELEPHONE POLE		SIGN (2 POSTS)
	HEDGE		COMBINATION POLE		OVERHEAD SIGN
	BUILDING		TRAFFIC SIGNAL POLE		TRAFFIC SIGNAL HEAD
	RIGHT OF WAY LINE		HYDRANT		PED. SIGNAL HEAD
	FENCE		CONTROLLER CABINET		PED. PUSHBUTTON
	GUARDRAIL		VEHICLE DETECTOR LOOP		RR SIGNAL (W/GATE)

RECYCLED PAPER

Florida Transportation Engineering,Inc.

8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2132
Counted By: John M
Weather: Good
Other:

File Name : WILLOWBEND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 1

Groups Printed- Cars, Trucks and Ped

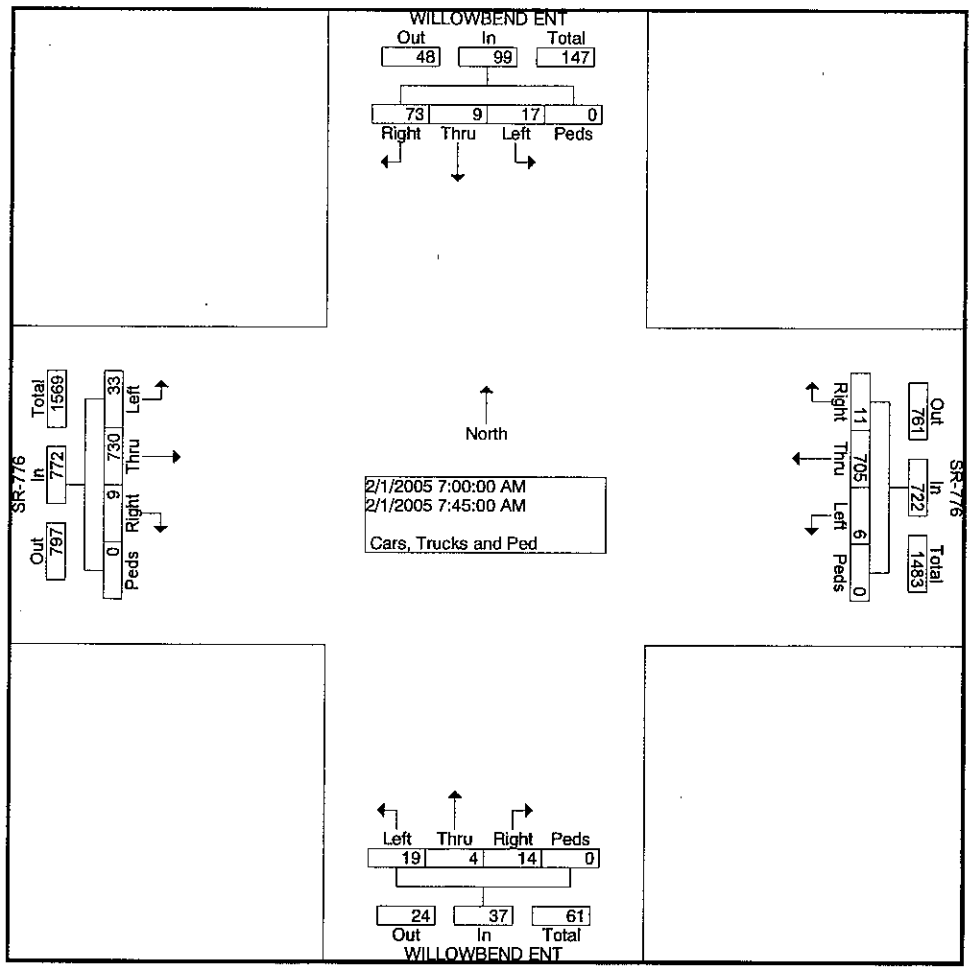
	WILLOWBEND ENT Southbound				SR-776 Westbound				WILLOWBEND ENT Northbound				SR-776 Eastbound				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
07:00	10	5	5	0	5	118	0	0	7	0	6	0	6	178	11	0	351
07:15	19	1	1	0	4	178	4	0	3	1	3	0	2	184	6	0	406
07:30	22	3	6	0	1	185	1	0	4	1	7	0	0	191	9	0	430
07:45	22	0	5	0	1	224	1	0	0	2	3	0	1	177	7	0	443
Total	73	9	17	0	11	705	6	0	14	4	19	0	9	730	33	0	1630
08:00	8	5	6	0	2	142	0	0	1	2	8	0	6	162	8	0	350
08:15	9	1	6	0	0	152	0	0	1	1	7	0	0	159	7	0	343
08:30	6	4	4	0	2	192	0	0	0	1	8	0	2	166	2	0	387
08:45	12	1	3	0	4	186	2	0	0	1	5	0	4	167	5	0	390
Total	35	11	19	0	8	672	2	0	2	5	28	0	12	654	22	0	1470
BREAK ----------																	
16:00	6	0	4	0	8	239	0	0	0	5	10	0	5	214	9	0	500
16:15	4	2	4	0	2	215	5	0	2	2	10	0	4	215	8	0	473
16:30	1	2	1	0	5	234	2	0	2	3	5	0	5	245	16	0	521
16:45	3	0	9	0	5	223	4	0	1	6	6	0	10	229	22	0	518
Total	14	4	18	0	20	911	11	0	5	16	31	0	24	903	55	0	2012
17:00	6	2	4	0	5	236	3	0	2	3	8	0	8	237	18	0	532
17:15	5	3	4	0	8	234	0	0	2	0	7	0	9	233	18	0	523
17:30	13	2	6	0	4	219	5	0	0	2	4	0	4	251	11	0	521
17:45	7	4	4	0	7	208	1	0	0	1	0	0	7	187	11	0	437
Total	31	11	18	0	24	897	9	0	4	6	19	0	28	908	58	0	2013
Grand Total	153	35	72	0	63	3185	28	0	25	31	97	0	73	3195	168	0	7125
Apprch %	58.8	13.5	27.7	0.0	1.9	97.2	0.9	0.0	16.3	20.3	63.4	0.0	2.1	93.0	4.9	0.0	
Total %	2.1	0.5	1.0	0.0	0.9	44.7	0.4	0.0	0.4	0.4	1.4	0.0	1.0	44.8	2.4	0.0	

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2132
Counted By: John M
Weather: Good
Other:

File Name : WILLOWBEND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 2

	WILLOWBEND ENT Southbound					SR-776 Westbound					WILLOWBEND ENT Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 to 09:45 - Peak 1 of 1																					
Intersection	07:00																				
Volume	73	9	17	0	99	11	705	6	0	722	14	4	19	0	37	9	730	33	0	772	1630
Percent	73.7	9.1	17.2	0.0		1.5	97.6	0.8	0.0		37.8	10.8	51.4	0.0		1.2	94.6	4.3	0.0		
07:45 Volume	22	0	5	0	27	1	224	1	0	226	0	2	3	0	5	1	177	7	0	185	443
Peak Factor																					0.920
High Int.	07:30					07:45					07:00					07:30					
Volume	22	3	6	0	31	1	224	1	0	226	7	0	6	0	13	0	191	9	0	200	
Peak Factor					0.798					0.799					0.712					0.965	

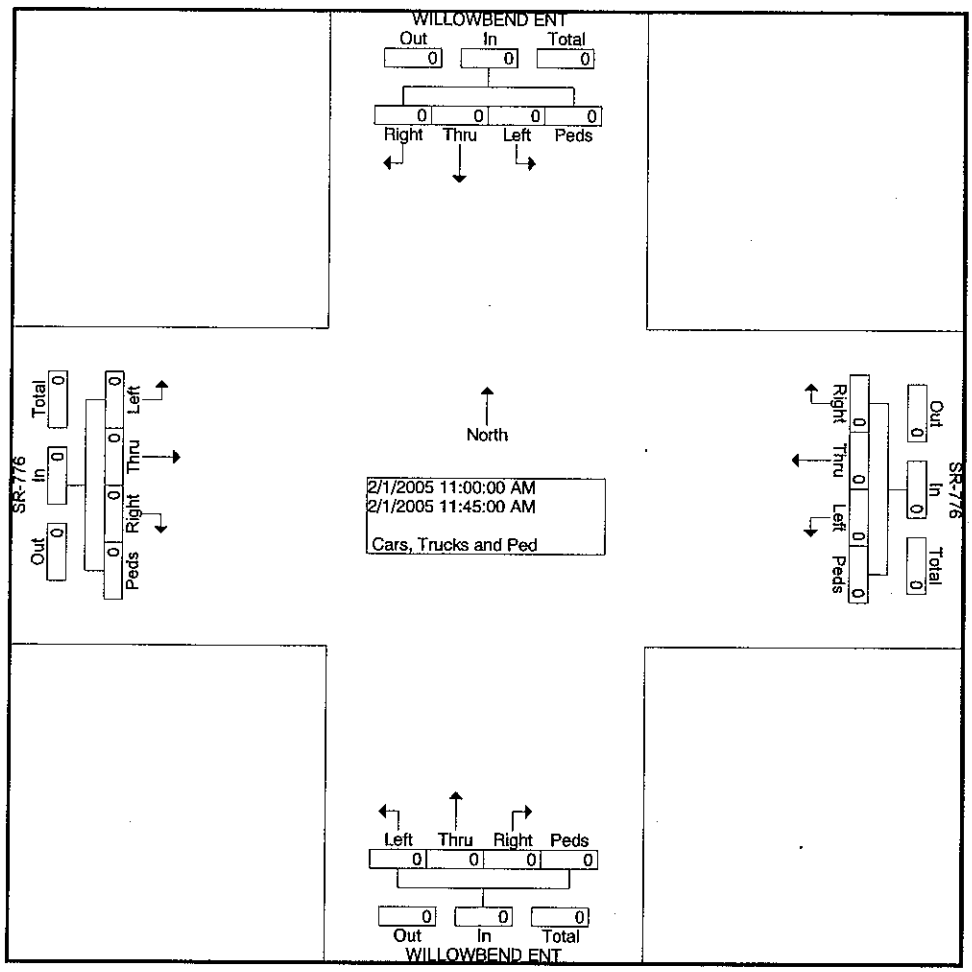


Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2132
Counted By: John M
Weather: Good
Other:

File Name : WILLOWBEND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 3

	WILLOWBEND ENT Southbound					SR-776 Westbound					WILLOWBEND ENT Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 11:00 to 12:45 - Peak 1 of 1																					
Intersection 11:00																					
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
11:45 Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Factor																					0.000
High Int. Volume																					
Peak Factor																					



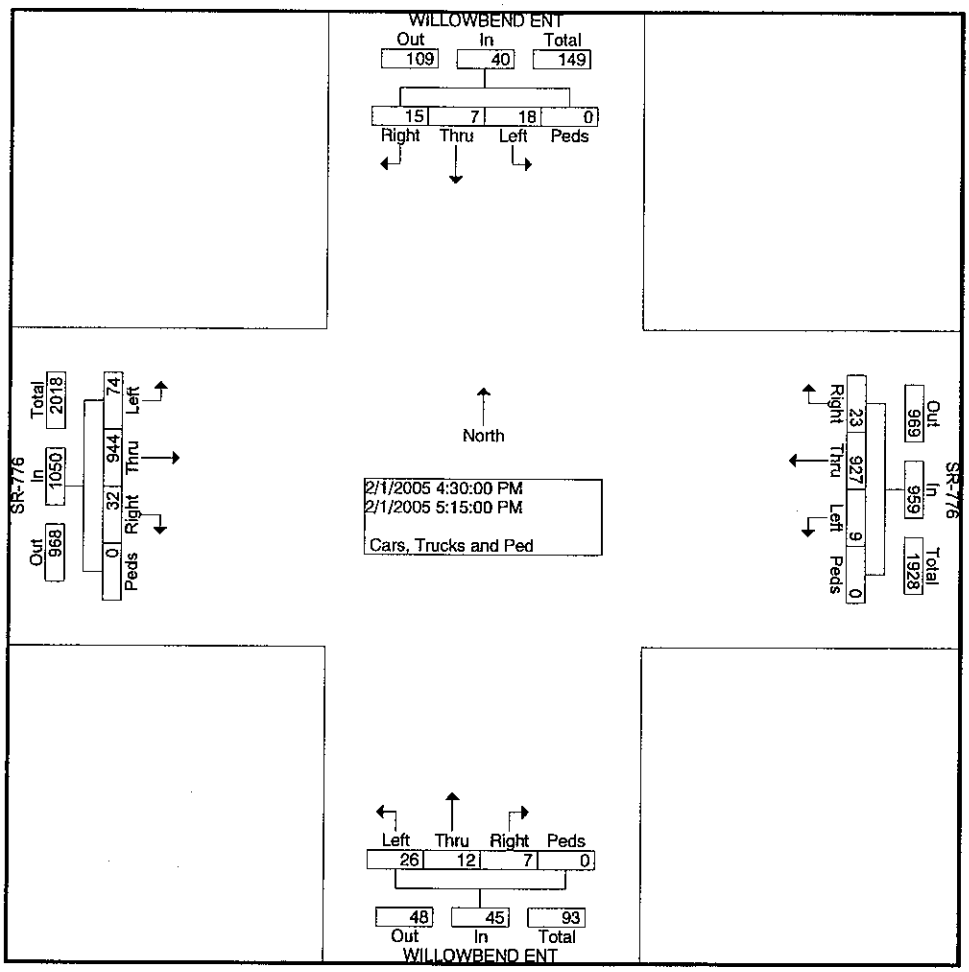
Counter: 2132
Counted By: John M
Weather: Good
Other:

Florida Transportation Engineering,Inc.

8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : WILLOWBEND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 4

	WILLOWBEND ENT Southbound					SR-776 Westbound					WILLOWBEND ENT Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 16:00 to 17:45 - Peak 1 of 1																					
Intersection 16:30																					
Volume	15	7	18	0	40	23	927	9	0	959	7	12	26	0	45	32	944	74	0	1050	2094
Percent	37.5	17.5	45.0	0.0		2.4	96.7	0.9	0.0		15.6	26.7	57.8	0.0		3.0	89.9	7.0	0.0		
17:00 Volume	6	2	4	0	12	5	236	3	0	244	2	3	8	0	13	8	237	18	0	263	532
Peak Factor																					0.984
High Int. 16:45						17:00					16:45					16:30					
Volume	3	0	9	0	12	5	236	3	0	244	1	6	6	0	13	5	245	16	0	266	
Peak Factor					0.833					0.983					0.865					0.987	



Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2132
Counted By: John M
Weather: Good
Other:

File Name : WILLOWBEND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 1

Groups Printed- Trucks and Bikes

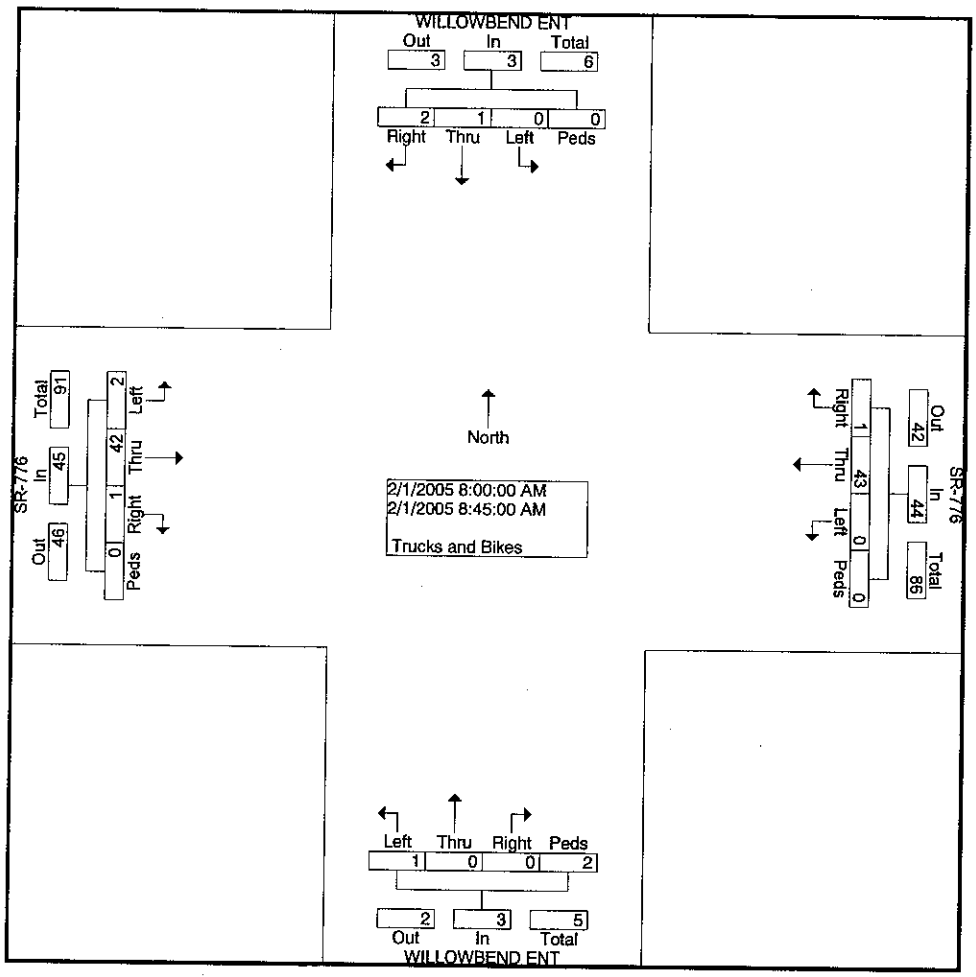
	WILLOWBEND ENT Southbound				SR-776 Westbound				WILLOWBEND ENT Northbound				SR-776 Eastbound				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
07:00	0	0	1	0	0	4	0	0	1	0	0	0	0	8	0	0	14
07:15	0	1	0	0	2	6	0	0	0	0	0	1	0	12	1	0	23
07:30	1	1	0	0	0	13	0	0	0	0	0	0	0	7	0	0	22
07:45	1	0	1	0	0	8	0	0	0	0	0	0	0	6	0	0	16
Total	2	2	2	0	2	31	0	0	1	0	0	1	0	33	1	0	75
08:00	0	0	0	0	0	11	0	0	0	0	0	1	0	15	2	0	29
08:15	0	0	0	0	0	4	0	0	0	0	1	1	0	8	0	0	14
08:30	1	1	0	0	1	14	0	0	0	0	0	0	0	5	0	0	22
08:45	1	0	0	0	0	14	0	0	0	0	0	0	1	14	0	0	30
Total	2	1	0	0	1	43	0	0	0	0	1	2	1	42	2	0	95
BREAK ----------																	
16:00	1	0	0	1	0	4	0	0	0	0	0	1	0	3	0	0	10
16:15	0	1	0	0	0	6	0	0	0	0	0	1	0	5	0	0	13
16:30	0	0	0	0	0	9	0	0	0	0	0	0	0	8	0	0	17
16:45	1	0	0	0	0	7	0	0	0	1	0	1	0	4	0	0	14
Total	2	1	0	1	0	26	0	0	0	1	0	3	0	20	0	0	54
17:00	0	0	0	0	0	11	0	0	0	0	0	1	0	4	0	0	16
17:15	0	0	0	0	0	4	0	0	0	0	0	0	0	3	0	0	7
17:30	0	0	0	0	0	8	0	0	0	0	0	0	0	6	0	0	14
17:45	0	0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	8
Total	0	0	0	0	0	27	0	0	0	0	0	1	0	17	0	0	45
Grand Total	6	4	2	1	3	127	0	0	1	1	1	7	1	112	3	0	269
Apprch %	46.2	30.8	15.4	7.7	2.3	97.7	0.0	0.0	10.0	10.0	10.0	70.0	0.9	96.6	2.6	0.0	
Total %	2.2	1.5	0.7	0.4	1.1	47.2	0.0	0.0	0.4	0.4	0.4	2.6	0.4	41.6	1.1	0.0	

Counter: 2132
Counted By: John M
Weather: Good
Other:

Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

File Name : WILLOWBEND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 2

	WILLOWBEND ENT Southbound					SR-776 Westbound					WILLOWBEND ENT Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 to 09:45 - Peak 1 of 1																					
Intersection	08:00																				
Volume	2	1	0	0	3	1	43	0	0	44	0	0	1	2	3	1	42	2	0	45	95
Percent	66.7	33.3	0.0	0.0		2.3	97.7	0.0	0.0		0.0	0.0	33.3	66.7		2.2	93.3	4.4	0.0		
08:45 Volume	1	0	0	0	1	0	14	0	0	14	0	0	0	0	0	1	14	0	0	15	30
Peak Factor																					0.792
High Int.	08:30					08:30					08:15					08:00					
Volume	1	1	0	0	2	1	14	0	0	15	0	0	1	1	2	0	15	2	0	17	
Peak Factor					0.375					0.733					0.375					0.662	

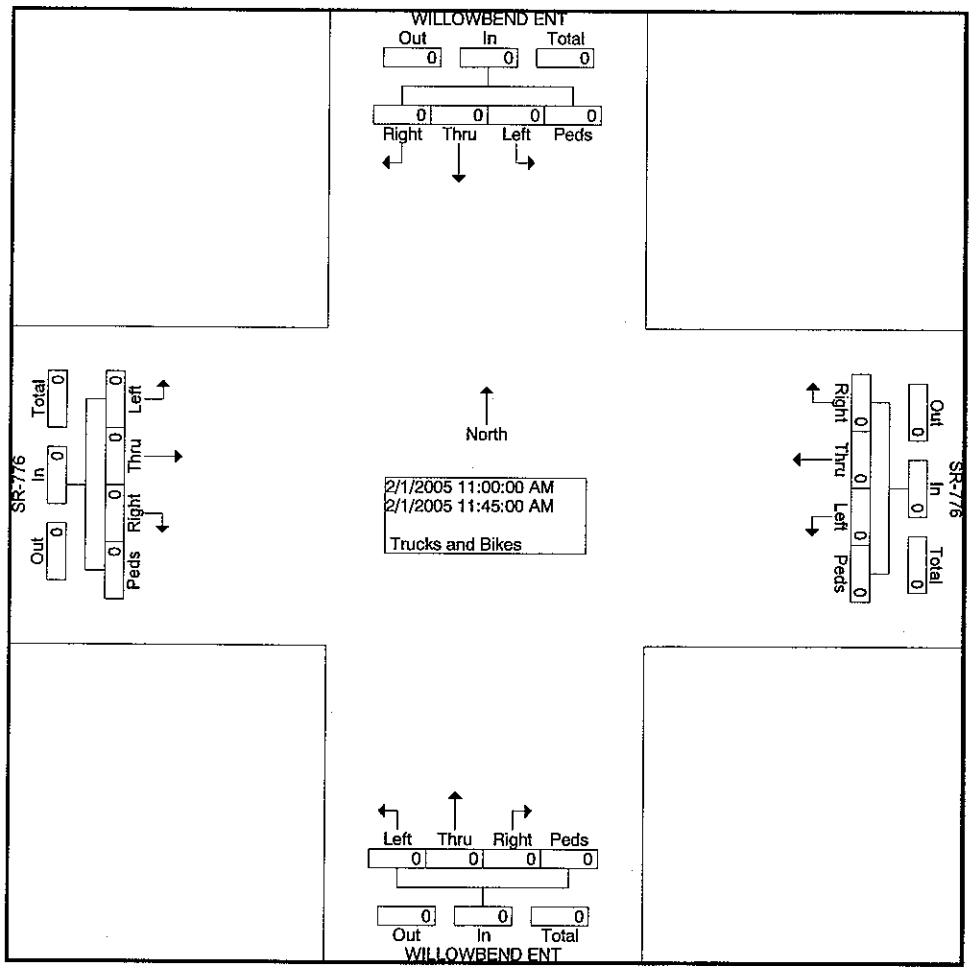


Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2132
Counted By: John M
Weather: Good
Other:

File Name : WILLOWBEND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 3

	WILLOWBEND ENT Southbound					SR-776 Westbound					WILLOWBEND ENT Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 11:00 to 12:45 - Peak 1 of 1																					
Intersection 11:00																					
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
11:45 Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Factor																					0.000
High Int. Volume																					
Peak Factor																					

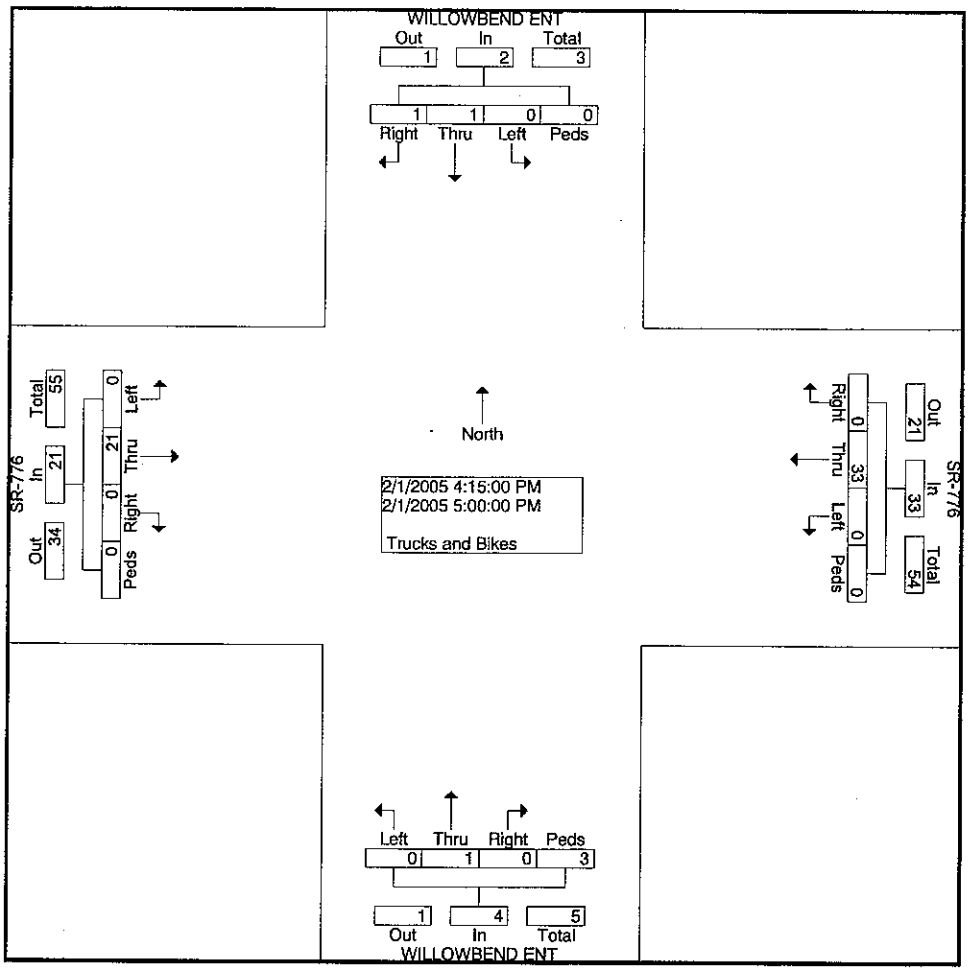


Florida Transportation Engineering,Inc.
8250 Pascal Drive
Punta Gorda,FL 33950
Ph# (941)6392818, Fax#(941)6394851

Counter: 2132
Counted By: John M
Weather: Good
Other:

File Name : WILLOWBEND SR776
Site Code : 00002136
Start Date : 2/1/2005
Page No : 4

	WILLOWBEND ENT Southbound					SR-776 Westbound					WILLOWBEND ENT Northbound					SR-776 Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 16:00 to 17:45 - Peak 1 of 1																					
Intersection	16:15																				
Volume	1	1	0	0	2	0	33	0	0	33	0	1	0	3	4	0	21	0	0	21	60
Percent	50.0	50.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	25.0	0.0	75.0		0.0	100.0	0.0	0.0		
16:30 Volume	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	8	0	0	8	17
Peak Factor																					0.882
High Int.	16:15					17:00					16:45					16:30					
Volume	0	1	0	0	1	0	11	0	0	11	0	1	0	1	2	0	8	0	0	8	
Peak Factor					0.500					0.750					0.500					0.656	



APPENDIX C

FDOT Adjustment Factors
2005 Adjusted Turning Movement Volumes

Print Date: Apr/11/2005

Florida Department of Transportation
Transportation Statistics Office

2003 Peak Season Factor Category Report

CHARLOTTE COUNTYWIDE
Category: 0100

MOCF = 0.90

	Week	Dates	SF	PSCF
	1	01/01/2003 - 01/04/2003	0.98	1.09
	2	01/05/2003 - 01/11/2003	0.99	1.10
	3	01/12/2003 - 01/18/2003	0.99	1.10
	4	01/19/2003 - 01/25/2003	0.97	1.08
*	5	01/26/2003 - 02/01/2003	0.94	1.04
*	6	02/02/2003 - 02/08/2003	0.92	1.02
*	7	02/09/2003 - 02/15/2003	0.89	0.99
*	8	02/16/2003 - 02/22/2003	0.89	0.99
*	9	02/23/2003 - 03/01/2003	0.88	0.98
*	10	03/02/2003 - 03/08/2003	0.87	0.97
*	11	03/09/2003 - 03/15/2003	0.87	0.97
*	12	03/16/2003 - 03/22/2003	0.88	0.98
*	13	03/23/2003 - 03/29/2003	0.89	0.99
*	14	03/30/2003 - 04/05/2003	0.90	1.00
*	15	04/06/2003 - 04/12/2003	0.91	1.01
*	16	04/13/2003 - 04/19/2003	0.92	1.02
*	17	04/20/2003 - 04/26/2003	0.94	1.04
	18	04/27/2003 - 05/03/2003	0.96	1.07
	19	05/04/2003 - 05/10/2003	0.97	1.08
	20	05/11/2003 - 05/17/2003	0.99	1.10
	21	05/18/2003 - 05/24/2003	1.00	1.11
	22	05/25/2003 - 05/31/2003	1.02	1.13
	23	06/01/2003 - 06/07/2003	1.04	1.16
	24	06/08/2003 - 06/14/2003	1.05	1.17
	25	06/15/2003 - 06/21/2003	1.07	1.19
	26	06/22/2003 - 06/28/2003	1.07	1.19
	27	06/29/2003 - 07/05/2003	1.08	1.20
	28	07/06/2003 - 07/12/2003	1.08	1.20
	29	07/13/2003 - 07/19/2003	1.08	1.20
	30	07/20/2003 - 07/26/2003	1.09	1.21
	31	07/27/2003 - 08/02/2003	1.10	1.22
	32	08/03/2003 - 08/09/2003	1.10	1.22
	33	08/10/2003 - 08/16/2003	1.11	1.23
	34	08/17/2003 - 08/23/2003	1.11	1.23
	35	08/24/2003 - 08/30/2003	1.11	1.23
	36	08/31/2003 - 09/06/2003	1.11	1.23
	37	09/07/2003 - 09/13/2003	1.12	1.24
	38	09/14/2003 - 09/20/2003	1.12	1.24
	39	09/21/2003 - 09/27/2003	1.10	1.22
	40	09/28/2003 - 10/04/2003	1.07	1.19
	41	10/05/2003 - 10/11/2003	1.05	1.17
	42	10/12/2003 - 10/18/2003	1.02	1.13
	43	10/19/2003 - 10/25/2003	1.02	1.13
	44	10/26/2003 - 11/01/2003	1.01	1.12
	45	11/02/2003 - 11/08/2003	1.01	1.12
	46	11/09/2003 - 11/15/2003	1.00	1.11
	47	11/16/2003 - 11/22/2003	1.00	1.11
	48	11/23/2003 - 11/29/2003	0.99	1.10
	49	11/30/2003 - 12/06/2003	0.99	1.10
	50	12/07/2003 - 12/13/2003	0.98	1.09
	51	12/14/2003 - 12/20/2003	0.98	1.09
	52	12/21/2003 - 12/27/2003	0.99	1.10
	53	12/28/2003 - 12/31/2003	0.99	1.10

Note: "*" indicates peak season week

Turning Movement Volume Adjustment Worksheet

Base Year:	2005	Project:	Riverwood AMR
Adjustment Factor:	1.04	FTE No.:	105001-01

Location: SR 776 and Riverwood Drive

2005 RAW TURNING MOVEMENT VOLUMES

AM PEAK 7:00-8:00AM

	Left	Thru	Right
Eastbound	5	1296	0
Westbound	0	1089	33
Northbound	0	0	0
Southbound	105	0	3

2005 TURNING MOVEMENT VOLUMES

	Left	Thru	Right
Eastbound	5	1348	0
Westbound	0	1133	34
Northbound	0	0	0
Southbound	109	0	3

PM PEAK 4:45-5:45

	Left	Thru	Right
Eastbound	11	1330	0
Westbound	0	1435	127
Northbound	0	0	0
Southbound	85	0	6

	Left	Thru	Right
Eastbound	11	1383	0
Westbound	0	1492	132
Northbound	0	0	0
Southbound	88	0	6

Location: SR 776 and Willowbend Drive

2005 RAW TURNING MOVEMENT VOLUMES

AM PEAK 7:15-8:15AM

	Left	Thru	Right
Eastbound	23	1399	0
Westbound	0	1074	24
Northbound	0	0	0
Southbound	0	0	34

2005 TURNING MOVEMENT VOLUMES

	Left	Thru	Right
Eastbound	24	1455	0
Westbound	0	1117	25
Northbound	0	0	0
Southbound	0	0	35

PM PEAK 4:00-5:00

	Left	Thru	Right
Eastbound	56	1410	0
Westbound	0	1653	4
Northbound	0	0	0
Southbound	0	0	34

	Left	Thru	Right
Eastbound	58	1466	0
Westbound	0	1719	4
Northbound	0	0	0
Southbound	0	0	35

Location: SR 776 and David Blvd.

2005 RAW TURNING MOVEMENT VOLUMES

AM PEAK 7:00-8:00AM

	Left	Thru	Right
Eastbound	33	730	9
Westbound	6	705	11
Northbound	19	4	14
Southbound	17	9	73

2005 TURNING MOVEMENT VOLUMES

	Left	Thru	Right
Eastbound	34	759	9
Westbound	6	733	11
Northbound	20	4	15
Southbound	18	9	76

PM PEAK 4:30-5:30

	Left	Thru	Right
Eastbound	74	944	32
Westbound	9	927	23
Northbound	26	12	7
Southbound	18	7	15

	Left	Thru	Right
Eastbound	77	982	33
Westbound	9	964	24
Northbound	27	12	7
Southbound	19	7	16

Location: SR 776 and Oceanspray Blvd.

2005 RAW TURNING MOVEMENT VOLUMES

AM PEAK 7:00-8:00AM

	Left	Thru	Right
Eastbound	24	628	19
Westbound	40	765	17
Northbound	33	16	77
Southbound	16	20	22

2005 TURNING MOVEMENT VOLUMES

	Left	Thru	Right
Eastbound	25	653	20
Westbound	42	796	18
Northbound	34	17	80
Southbound	17	21	23

PM PEAK 4:30-5:30

	Left	Thru	Right
Eastbound	48	928	41
Westbound	100	855	21
Northbound	15	26	69
Southbound	14	21	17

	Left	Thru	Right
Eastbound	50	965	43
Westbound	104	889	22
Northbound	16	27	72
Southbound	15	22	18

Location: SR 776 and Gillot Blvd.

2005 RAW TURNING MOVEMENT VOLUMES

Adjustment Factor 1.02

AM PEAK 7:15-8:15AM

	Left	Thru	Right
Eastbound	27	880	0
Westbound	0	894	58
Northbound	0	0	0
Southbound	247	0	72

2005 TURNING MOVEMENT VOLUMES

	Left	Thru	Right
Eastbound	28	898	0
Westbound	0	912	59
Northbound	0	0	0
Southbound	252	0	73

PM PEAK 4:30-5:30

	Left	Thru	Right
Eastbound	107	1001	0
Westbound	0	1231	204
Northbound	0	0	0
Southbound	115	0	63

	Left	Thru	Right
Eastbound	109	1021	0
Westbound	0	1256	208
Northbound	0	0	0
Southbound	117	0	64

APPENDIX D

Signal Timing
2005 HCS Analyses

TIMING SHEET FOR GILLOT @ SR776

FUNCTION	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8
MIN GREEN	8	15			8	15		8
PASSAGE	3.5	3			3.5	3		3.5
YELLOW	4.5	4.5			4.5	4.5		4.0
RED	1.5	1.5			1.5	1.5		2.0
WALK		8						4
PED CLEAR		22						35
MAX I	30	60			30	60		40
MAX II	30	30			30	30		30
MIN RECALL		X						
MAX RECALL								
PHASES USED	Y	Y			Y	Y		Y

HCS2000: Signalized Intersections Release 4.1e

Analyst: FTE
Agency: Charlotte
Date: 02/01/05
Period: AM Peak Hour
Project ID: 105001-01
E/W St: SR 776

Inter.: SR 776- Riverwood Drive
Area Type: All other areas
Jurisd:
Year : 2005

N/S St: Riverwood Drive

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	0	0	2	1	0	0	0	0	0	0
LGConfig	L	T			T	R					LR	
Volume	5	1348			1133	34				109		3
Lane Width	12.0	12.0			12.0	12.0					12.0	
RTOR Vol						0						0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4		5	6	7	8
EB Left	A				NB Left				
Thru	P				Thru				
Right					Right				
Peds					Peds				
WB Left					SB Left	P			
Thru	P				Thru				
Right	P				Right	P			
Peds					Peds				
NB Right					EB Right				
SB Right					WB Right				
Green	28.0					20.0			
Yellow	4.5					4.0			
All Red	1.5					2.0			

Cycle Length: 60.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	126	271	0.04	0.47	8.8	A		
T	1688	3618	0.87	0.47	20.7	C	20.6	C
Westbound								
T	1688	3618	0.75	0.47	16.3	B	16.1	B
R	754	1615	0.05	0.47	8.9	A		
Northbound								
Southbound								
LR	602	1805	0.22	0.33	15.3	B	15.3	B

Intersection Delay = 18.4 (sec/veh) Intersection LOS = B

HCS2000: Signalized Intersections Release 4.1e

Analyst: FTE
Agency: Charlotte
Date: 02/01/05
Period: PM Peak Hour
Project ID: 105001-01
E/W St: SR 776

Inter.: SR 776- Riverwood Drive
Area Type: All other areas
Jurisd:
Year : 2005

N/S St: Riverwood Drive

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	0	0	2	1	0	0	0	0	0	0
LGConfig	L	T			T	R					LR	
Volume	11	1383			1492	132				88		6
Lane Width	12.0	12.0			12.0	12.0					12.0	
RTOR Vol						0						0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4		5	6	7	8
EB Left	A				NB Left				
Thru	P				Thru				
Right					Right				
Peds					Peds				
WB Left					SB Left	P			
Thru	P				Thru				
Right	P				Right	P			
Peds					Peds				
NB Right					EB Right				
SB Right					WB Right				
Green	28.0					20.0			
Yellow	4.5					4.0			
All Red	1.5					2.0			

Cycle Length: 60.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	126	271	0.10	0.47	9.3	A		
T	1688	3618	0.89	0.47	22.1	C	22.0	C
Westbound								
T	1688	3618	0.99	0.47	36.2	D	34.1	C
R	754	1615	0.20	0.47	10.0-	A		
Northbound								
Southbound								
LR	600	1800	0.19	0.33	14.9	B	14.9	B

Intersection Delay = 28.1 (sec/veh) Intersection LOS = C

HCS2000: Unsignalized Intersections Release 4.1d

TWO-WAY STOP CONTROL SUMMARY

Analyst: FTE
Agency/Co.: Charlotte
Date Performed: 02/01/05
Analysis Time Period: AM Peak Hour
Intersection: SR 776-Riverwood Drive
Jurisdiction:
Units: U. S. Customary
Analysis Year: 2005
Project ID: 105001-01
East/West Street: SR 776
North/South Street: Riverwood Drive
Intersection Orientation: EW Study period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street: Approach	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	5	1348			1133	34
Peak-Hour Factor, PHF	0.90	0.90			0.87	0.87
Hourly Flow Rate, HFR	5	1497			1302	39
Percent Heavy Vehicles	0	--	--		--	--
Median Type/Storage	Undivided			/		
RT Channelized?						No
Lanes	1	2			2	1
Configuration	L	T			T	R
Upstream Signal?		No			No	

Minor Street: Approach	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume				109		3
Peak Hour Factor, PHF				0.75		0.75
Hourly Flow Rate, HFR				145		4
Percent Heavy Vehicles				0		0
Percent Grade (%)		0			0	
Flared Approach: Exists?/Storage			/			/
Lanes				1		1
Configuration				L		R

Delay, Queue Length, and Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Config	L					L		R
v (vph)	5					145		4
C(m) (vph)	521					49		416
v/c	0.01					2.96		0.01
95% queue length	0.03					15.51		0.03
Control Delay	12.0					1060		13.7
LOS	B					F		B
Approach Delay							1032	
Approach LOS							F	

HCS2000: Unsignalized Intersections Release 4.1d

TWO-WAY STOP CONTROL SUMMARY

Analyst: FTE
Agency/Co.: Charlotte
Date Performed: 02/01/05
Analysis Time Period: PM Peak Hour
Intersection: SR 776-Riverwood Drive
Jurisdiction:
Units: U. S. Customary
Analysis Year: 2005
Project ID: 105001-01
East/West Street: SR 776
North/South Street: Riverwood Drive
Intersection Orientation: EW Study period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street: Approach	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	11	1383			1492	132
Peak-Hour Factor, PHF	0.93	0.93			0.96	0.96
Hourly Flow Rate, HFR	11	1487			1554	137
Percent Heavy Vehicles	0	--	--		--	--
Median Type/Storage	Undivided			/		
RT Channelized?						No
Lanes	1	2			2	1
Configuration	L	T			T	R
Upstream Signal?		No			No	

Minor Street: Approach	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume				88		6
Peak Hour Factor, PHF				0.82		0.82
Hourly Flow Rate, HFR				107		7
Percent Heavy Vehicles				0		0
Percent Grade (%)		0			0	
Flared Approach: Exists?/Storage			/			/
Lanes				1		1
Configuration				L		R

Delay, Queue Length, and Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Config	L					L		R
v (vph)	11					107		7
C(m) (vph)	383					31		344
v/c	0.03					3.45		0.02
95% queue length	0.09					12.67		0.06
Control Delay	14.7					1369		15.7
LOS	B					F		C
Approach Delay							1286	
Approach LOS							F	

HCS2000: Unsignalized Intersections Release 4.1d

TWO-WAY STOP CONTROL SUMMARY

Analyst: FTE
Agency/Co.: Charlotte
Date Performed: 02/01/05
Analysis Time Period: AM Peak Hour
Intersection: SR 776-Willowbend Ent.
Jurisdiction:
Units: U. S. Customary
Analysis Year: 2005
Project ID: 105001-01
East/West Street: SR 776
North/South Street: Willowbend Ent.
Intersection Orientation: EW Study period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street: Approach	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	24	1455			1117	25
Peak-Hour Factor, PHF	0.92	0.92			0.91	0.91
Hourly Flow Rate, HFR	26	1581			1227	27
Percent Heavy Vehicles	0	--	--		--	--
Median Type/Storage	Undivided			/		
RT Channelized?						
Lanes	1	2			2	0
Configuration	L	T			T	TR
Upstream Signal?		No			No	

Minor Street: Approach	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume						35
Peak Hour Factor, PHF						0.71
Hourly Flow Rate, HFR						49
Percent Heavy Vehicles						0
Percent Grade (%)		0			0	
Flared Approach: Exists?/Storage			/			/
Lanes					1	
Configuration					R	

Delay, Queue Length, and Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Config	L							R
v (vph)	26							49
C(m) (vph)	562							431
v/c	0.05							0.11
95% queue length	0.15							0.38
Control Delay	11.7							14.4
LOS	B							B
Approach Delay							14.4	
Approach LOS							B	

HCS2000: Unsignalized Intersections Release 4.1d

TWO-WAY STOP CONTROL SUMMARY

Analyst: FTE
Agency/Co.: Charlotte
Date Performed: 02/01/05
Analysis Time Period: PM Peak Hour
Intersection: SR 776-Willowbend Ent.
Jurisdiction:
Units: U. S. Customary
Analysis Year: 2005
Project ID: 105001-01
East/West Street: SR 776
North/South Street: Willowbend Ent.
Intersection Orientation: EW Study period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street: Approach	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	58	1466			1719	4
Peak-Hour Factor, PHF	0.89	0.89			0.94	0.94
Hourly Flow Rate, HFR	65	1647			1828	4
Percent Heavy Vehicles	0	--	--		--	--
Median Type/Storage	Undivided			/		
RT Channelized?						
Lanes	1	2			2	0
Configuration	L	T			T	TR
Upstream Signal?		No			No	

Minor Street: Approach	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume						35
Peak Hour Factor, PHF						0.94
Hourly Flow Rate, HFR						37
Percent Heavy Vehicles						0
Percent Grade (%)		0			0	
Flared Approach: Exists?/Storage			/			/
Lanes					1	
Configuration					R	

Delay, Queue Length, and Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Config	L							R
v (vph)	65							37
C(m) (vph)	338							279
v/c	0.19							0.13
95% queue length	0.70							0.45
Control Delay	18.2							19.9
LOS	C							C
Approach Delay							19.9	
Approach LOS							C	

HCS2000: Signalized Intersections Release 4.1e

Analyst: FTE
Agency: Charlotte
Date: 02/01/05
Period: AM Peak Hour
Project ID: 105001-01
E/W St: SR 776

Inter.: SR 776- Gillot Blvd
Area Type: All other areas
Jurisd:
Year : 2005

N/S St: Gillot Blvd

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	0	1	2	1	0	0	0	0	0	0
LGConfig	L	T		L	T	R					LR	
Volume	28	898		0	912	59				252		73
Lane Width	12.0	12.0		12.0	12.0	12.0					12.0	
RTOR Vol						0						0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4		5	6	7	8
EB Left	P	P			NB Left				
Thru		P			Thru				
Right					Right				
Peds					Peds				
WB Left	P				SB Left	P			
Thru		P			Thru				
Right		P			Right	P			
Peds					Peds				
NB Right					EB Right				
SB Right					WB Right				
Green	10.0	27.0				20.0			
Yellow	4.5	4.5				4.0			
All Red	1.5	1.5				2.0			

Cycle Length: 75.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	342	1805	0.09	0.57	10.4	B		
T	1302	3618	0.75	0.36	25.0	C	24.6	C
Westbound								
L	241	1805	0.00	0.13	28.2	C		
T	1302	3618	0.79	0.36	26.3	C	25.7	C
R	581	1615	0.11	0.36	16.4	B		
Northbound								
Southbound								
LR	473	1774	0.83	0.27	41.2	D	41.2	D

Intersection Delay = 27.7 (sec/veh) Intersection LOS = C

HCS2000: Signalized Intersections Release 4.1e

Analyst: FTE
Agency: Charlotte
Date: 02/01/05
Period: PM Peak Hour
Project ID: 105001-01
E/W St: SR 776

Inter.: SR 776- Gillot Blvd
Area Type: All other areas
Jurisd:
Year : 2005

N/S St: Gillot Blvd

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	0	1	2	1	0	0	0	0	0	0
LGConfig	L	T		L	T	R					LR	
Volume	109	1021		0	1256	208				117		64
Lane Width	12.0	12.0		12.0	12.0	12.0					12.0	
RTOR Vol						0						0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4			5	6	7	8
EB Left	P	P			NB	Left				
Thru		P				Thru				
Right						Right				
Peds						Peds				
WB Left	P				SB	Left	P			
Thru		P				Thru				
Right		P				Right	P			
Peds						Peds				
NB Right					EB	Right				
SB Right					WB	Right				
Green	10.0	30.0					17.0			
Yellow	4.5	4.5					4.0			
All Red	1.5	1.5					2.0			

Cycle Length: 75.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	342	1805	0.36	0.61	15.5	B		
T	1447	3618	0.79	0.40	24.3	C	23.5	C
Westbound								
L	241	1805	0.00	0.13	28.2	C		
T	1447	3618	0.94	0.40	35.2	D	32.7	C
R	646	1615	0.35	0.40	17.2	B		
Northbound								
Southbound								
LR	397	1752	0.52	0.23	30.3	C	30.3	C

Intersection Delay = 28.7 (sec/veh) Intersection LOS = C

HCS2000: Unsignalized Intersections Release 4.1d

TWO-WAY STOP CONTROL SUMMARY

Analyst: FTE
Agency/Co.: Charlotte
Date Performed: 02/01/05
Analysis Time Period: AM Peak Hour
Intersection: SR 776-David Blvd
Jurisdiction:
Units: U. S. Customary
Analysis Year: 2005
Project ID: 105001-01
East/West Street: SR 776
North/South Street: David Blvd
Intersection Orientation: EW Study period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street: Approach	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	34	759	9	6	733	11
Peak-Hour Factor, PHF	0.96	0.96	0.96	0.80	0.80	0.80
Hourly Flow Rate, HFR	35	790	9	7	916	13
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type/Storage	Undivided			/		
RT Channelized?						
Lanes	1	2	0	1	2	0
Configuration	L	T	TR	L	T	TR
Upstream Signal?		No			No	

Minor Street: Approach	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	20	4	15	18	9	76
Peak Hour Factor, PHF	0.71	0.71	0.71	0.80	0.80	0.80
Hourly Flow Rate, HFR	28	5	21	22	11	94
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach: Exists?/Storage			No /			No /
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Delay, Queue Length, and Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Config	L	L		LTR			LTR	
v (vph)	35	7		54			127	
C(m) (vph)	744	833		119			226	
v/c	0.05	0.01		0.45			0.56	
95% queue length	0.15	0.03		2.00			3.08	
Control Delay	10.1	9.4		58.2			39.6	
LOS	B	A		F			E	
Approach Delay				58.2			39.6	
Approach LOS				F			E	

HCS2000: Unsignalized Intersections Release 4.1d

TWO-WAY STOP CONTROL SUMMARY

Analyst: FTE
Agency/Co.: Charlotte
Date Performed: 02/01/05
Analysis Time Period: PM Peak Hour
Intersection: SR 776-David Blvd
Jurisdiction:
Units: U. S. Customary
Analysis Year: 2005
Project ID: 105001-01
East/West Street: SR 776
North/South Street: David Blvd
Intersection Orientation: EW Study period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street: Approach	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	77	982	33	9	964	24
Peak-Hour Factor, PHF	0.99	0.99	0.99	0.98	0.98	0.98
Hourly Flow Rate, HFR	77	991	33	9	983	24
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type/Storage	Undivided			/		
RT Channelized?						
Lanes	1	2	0	1	2	0
Configuration	L	T	TR	L	T	TR
Upstream Signal?		No			No	

Minor Street: Approach	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	27	12	7	19	7	16
Peak Hour Factor, PHF	0.86	0.86	0.86	0.83	0.83	0.83
Hourly Flow Rate, HFR	31	13	8	22	8	19
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach: Exists?/Storage			No /			No /
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Delay, Queue Length, and Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Config	L	L		LTR			LTR	
v (vph)	77	9		52			49	
C(m) (vph)	696	686		52			65	
v/c	0.11	0.01		1.00			0.75	
95% queue length	0.37	0.04		4.42			3.40	
Control Delay	10.8	10.3		250.7			152.8	
LOS	B	B		F			F	
Approach Delay				250.7			152.8	
Approach LOS				F			F	

HCS2000: Unsignalized Intersections Release 4.1d

TWO-WAY STOP CONTROL SUMMARY

Analyst: FTE
Agency/Co.: Charlotte
Date Performed: 02/01/05
Analysis Time Period: AM Peak Hour
Intersection: SR 776-Oceanspray Blvd
Jurisdiction:
Units: U. S. Customary
Analysis Year: 2005
Project ID: 105001-01
East/West Street: SR 776
North/South Street: Oceanspray Blvd
Intersection Orientation: EW Study period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street: Approach	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	25	653	20	42	796	18
Peak-Hour Factor, PHF	0.97	0.97	0.97	0.77	0.77	0.77
Hourly Flow Rate, HFR	25	673	20	54	1033	23
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type/Storage	Undivided			/		
RT Channelized?						
Lanes	1	2	0	1	2	0
Configuration	L	T	TR	L	T	TR
Upstream Signal?		No			No	

Minor Street: Approach	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	34	17	80	17	21	23
Peak Hour Factor, PHF	0.87	0.87	0.87	0.76	0.76	0.76
Hourly Flow Rate, HFR	39	19	91	22	27	30
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach: Exists?/Storage			No /			No /
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Delay, Queue Length, and Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Config	L	L		LTR			LTR	
v (vph)	25	54		149			79	
C(m) (vph)	667	912		139			84	
v/c	0.04	0.06		1.07			0.94	
95% queue length	0.12	0.19		8.13			5.14	
Control Delay	10.6	9.2		160.0			169.8	
LOS	B	A		F			F	
Approach Delay				160.0			169.8	
Approach LOS				F			F	

HCS2000: Unsignalized Intersections Release 4.1d

TWO-WAY STOP CONTROL SUMMARY

Analyst: FTE
Agency/Co.: Charlotte
Date Performed: 02/01/05
Analysis Time Period: PM Peak Hour
Intersection: SR 776-Oceanspray Blvd
Jurisdiction:
Units: U. S. Customary
Analysis Year: 2005
Project ID: 105001-01
East/West Street: SR 776
North/South Street: Oceanspray Blvd
Intersection Orientation: EW Study period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street: Approach	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	50	965	43	104	889	22
Peak-Hour Factor, PHF	0.94	0.94	0.94	0.94	0.94	0.94
Hourly Flow Rate, HFR	53	1026	45	110	945	23
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type/Storage	Undivided			/		
RT Channelized?						
Lanes	1	2	0	1	2	0
Configuration	L	T	TR	L	T	TR
Upstream Signal?		No			No	

Minor Street: Approach	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	16	27	72	15	22	18
Peak Hour Factor, PHF	0.89	0.89	0.89	0.68	0.68	0.68
Hourly Flow Rate, HFR	17	30	80	22	32	26
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach: Exists?/Storage			No /			No /
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Delay, Queue Length, and Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Config	L	L		LTR			LTR	
v (vph)	53	110		127			80	
C(m) (vph)	720	658		0			0	
v/c	0.07	0.17						
95% queue length	0.24	0.60						
Control Delay	10.4	11.6						
LOS	B	B		F			F	
Approach Delay								
Approach LOS								

APPENDIX E

Delay Study Worksheets
Signal Warrant Study Summary Worksheets

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

INTERSECTION DELAY STUDY

Form 750-020-07

LOCATION:	SR 776 @ Riverwood Dr. Ent.	CITY:	Englewood	COUNTY:	Charlotte
APPROACH:	Southbound	MOVEMENT:	LT,RT	DATE:	02/01/05
WEATHER:	Fair	STUDY NO.:	1	OBSERVER:	Jason

TIME (MINUTE STARTING) AT	TOTAL NUMBER OF VEHICLES STOPPED IN THE APPROACH AT TIME				APPROACH VOLUME	
	+ 0 sec	+ 15 sec	+ 30 sec	+ 45 sec	NUMBER STOPPED	NUMBER NOT STOPPED
5:00 PM	2	3	3	3	5	0
5:01 PM	4	4	4	3	4	0
5:02 PM	1	0	0	0	1	0
5:03 PM	0	0	0	1	1	0
5:04 PM	2	0	0	0	2	0
5:05 PM	1	1	1	0	2	0
5:06 PM	0	1	1	1	1	0
5:07 PM	1	1	1	0	1	0
5:08 PM	0	0	0	0	0	0
5:09 PM	0	0	1	1	2	0
5:10 PM	2	4	3	1	5	0
SUBTOTAL	13	14	14	10	24	0
TOTAL	51					24

TOTAL DELAY = TOTAL NUMBER STOPPED X SAMPLING INTERVAL

51 X 15 = 765 Vehicle-Seconds

AVERAGE DELAY PER STOPPED VEHICLE = TOTAL DELAY / NUMBER OF STOPPED VEHICLE

= 765 / 24 **31.9 Seconds**

AVERAGE DELAY PER APPROACH VEHICLE = TOTAL DELAY / APPROACH VOLUME

= 765 / 24 **31.9 Seconds**

PERCENT OF VEHICLES STOPPED = NUMBER OF STOPPED VEHICLES / APPROACH VOLUME

= 24 / 24 **100%**

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

INTERSECTION DELAY STUDY

Form 750-020-07

LOCATION:	SR 776 @ Riverwood Dr. Ent.	CITY:	Englewood	COUNTY:	Charlotte
APPROACH:	Southbound	MOVEMENT:	LT,RT	DATE:	02/01/05
WEATHER:	Fair	STUDY NO.:	1	OBSERVER:	Jason

TIME (MINUTE STARTING) AT	TOTAL NUMBER OF VEHICLES STOPPED IN THE APPROACH AT TIME				APPROACH VOLUME	
	+ 0 sec	+ 15 sec	+ 30 sec	+ 45 sec	NUMBER STOPPED	NUMBER NOT STOPPED
5:11 PM	2	1	1	1	3	0
5:12 PM	0	0	2	0	2	0
5:13 PM	0	1	1	0	1	0
5:14 PM	0	0	0	0	0	0
5:15 PM	1	1	0	1	2	0
5:16 PM	1	0	0	0	1	0
5:17 PM	0	0	0	0	0	0
5:18 PM	0	0	3	2	3	0
5:19 PM	2	1	0	1	3	0
5:20 PM	1	0	0	0	1	0
SUBTOTAL	7	4	7	5	16	0
TOTAL	23					16

TOTAL DELAY = TOTAL NUMBER STOPPED X SAMPLING INTERVAL

23 X 15 = 345 Vehicle-Seconds

AVERAGE DELAY PER STOPPED VEHICLE = TOTAL DELAY / NUMBER OF STOPPED VEHICLE

= 345 / 16 **21.6 Seconds**

AVERAGE DELAY PER APPROACH VEHICLE = TOTAL DELAY / APPROACH VOLUME

= 345 / 16 **21.6 Seconds**

PERCENT OF VEHICLES STOPPED = NUMBER OF STOPPED VEHICLES / APPROACH VOLUME

= 16 / 16 **100%**

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

INTERSECTION DELAY STUDY

Form 750-020-07

LOCATION:	SR 776 @ Riverwood Dr. Ent.	CITY:	Englewood	COUNTY:	Charlotte
APPROACH:	Southbound	MOVEMENT:	LT,RT	DATE:	02/01/05
WEATHER:	Fair	STUDY NO.:	1	OBSERVER:	Jason

TIME (MINUTE STARTING) AT	TOTAL NUMBER OF VEHICLES STOPPED IN THE APPROACH AT TIME				APPROACH VOLUME	
	+ 0 sec	+ 15 sec	+ 30 sec	+ 45 sec	NUMBER STOPPED	NUMBER NOT STOPPED
5:21 PM	1	1	0	0	1	0
5:22 PM	1	1	2	2	2	0
5:23 PM	2	1	0	0	2	0
5:24 PM	0	0	0	1	1	0
5:25 PM	1	1	1	1	1	0
5:26 PM	1	1	0	1	2	0
5:27 PM	1	1	1	0	1	0
5:28 PM	1	0	0	0	1	0
5:29 PM	1	0	0	0	1	0
5:30 PM	0	0	2	2	2	0
SUBTOTAL	9	6	6	7	14	0
TOTAL	28					14

TOTAL DELAY = TOTAL NUMBER STOPPED X SAMPLING INTERVAL

28 X 15 = 420 Vehicle-Seconds

AVERAGE DELAY PER STOPPED VEHICLE = TOTAL DELAY / NUMBER OF STOPPED VEHICLE

= 420 / 14 = **30.0 Seconds**

AVERAGE DELAY PER APPROACH VEHICLE = TOTAL DELAY / APPROACH VOLUME

= 420 / 14 = **30.0 Seconds**

PERCENT OF VEHICLES STOPPED = NUMBER OF STOPPED VEHICLES / APPROACH VOLUME

= 14 / 14 = **100%**

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

INTERSECTION DELAY STUDY

Form 750-020-07

LOCATION:	SR 776 @ Riverwood Dr. Ent.	CITY:	Englewood	COUNTY:	Charlotte
APPROACH:	Southbound	MOVEMENT:	LT,RT	DATE:	02/01/05
WEATHER:	Fair	STUDY NO.:	1	OBSERVER:	Jason

TIME (MINUTE STARTING) AT	TOTAL NUMBER OF VEHICLES STOPPED IN THE APPROACH AT TIME				APPROACH VOLUME	
	+ 0 sec	+ 15 sec	+ 30 sec	+ 45 sec	NUMBER STOPPED	NUMBER NOT STOPPED
5:31 PM	1	0	1	0	2	0
5:32 PM	0	0	1	0	1	0
5:33 PM	0	0	0	0	0	0
5:34 PM	1	1	1	0	1	0
5:35 PM	0	1	2	2	2	0
5:36 PM	3	1	0	0	3	0
5:37 PM	1	2	2	1	2	0
5:38 PM	0	0	1	0	1	0
5:39 PM	0	1	1	0	1	0
5:40 PM	0	1	1	2	2	0
SUBTOTAL	6	7	10	5	15	0
TOTAL	28					15

TOTAL DELAY = TOTAL NUMBER STOPPED X SAMPLING INTERVAL

28 X 15 = 420 Vehicle-Seconds

AVERAGE DELAY PER STOPPED VEHICLE = TOTAL DELAY / NUMBER OF STOPPED VEHICLE

= 420 / 15 **28.0 Seconds**

AVERAGE DELAY PER APPROACH VEHICLE = TOTAL DELAY / APPROACH VOLUME

= 420 / 15 **28.0 Seconds**

PERCENT OF VEHICLES STOPPED = NUMBER OF STOPPED VEHICLES / APPROACH VOLUME

= 15 / 15 **100%**

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

INTERSECTION DELAY STUDY

Form 750-020-07

LOCATION:	SR 776 @ Riverwood Dr. Ent.	CITY:	Englewood	COUNTY:	Charlotte
APPROACH:	Southbound	MOVEMENT:	LT,RT	DATE:	02/01/05
WEATHER:	Fair	STUDY NO.:	1	OBSERVER:	Jason

TIME (MINUTE STARTING) AT	TOTAL NUMBER OF VEHICLES STOPPED IN THE APPROACH AT TIME				APPROACH VOLUME	
	+ 0 sec	+ 15 sec	+ 30 sec	+ 45 sec	NUMBER STOPPED	NUMBER NOT STOPPED
5:41 PM	2	2	1	1	4	0
5:42 PM	1	1	0	0	1	0
5:43 PM	0	0	2	3	3	0
5:44 PM	2	2	1	0	3	0
5:45 PM	1	1	1	1	1	0
5:46 PM	1	1	0	0	1	0
5:47 PM	0	0	0	0	0	0
5:48 PM	0	0	0	1	1	0
5:49 PM	1	0	2	1	4	0
5:50 PM	1	1	0	0	2	0
SUBTOTAL	9	8	7	7	20	0
TOTAL	31					20

TOTAL DELAY = TOTAL NUMBER STOPPED X SAMPLING INTERVAL

31 X 15 = 465 Vehicle-Seconds

AVERAGE DELAY PER STOPPED VEHICLE = TOTAL DELAY / NUMBER OF STOPPED VEHICLE

= 465 / 20 = **23.3 Seconds**

AVERAGE DELAY PER APPROACH VEHICLE = TOTAL DELAY / APPROACH VOLUME

= 465 / 20 = **23.3 Seconds**

PERCENT OF VEHICLES STOPPED = NUMBER OF STOPPED VEHICLES / APPROACH VOLUME

= 20 / 20 = **100%**

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

INTERSECTION DELAY STUDY

Form 750-020-07

LOCATION:	SR 776 @ Riverwood Dr. Ent.	CITY:	Englewood	COUNTY:	Charlotte
APPROACH:	Southbound	MOVEMENT:	LT,RT	DATE:	02/01/05
WEATHER:	Fair	STUDY NO.:	1	OBSERVER:	Jason

TIME (MINUTE STARTING) AT	TOTAL NUMBER OF VEHICLES STOPPED IN THE APPROACH AT TIME				APPROACH VOLUME	
	+ 0 sec	+ 15 sec	+ 30 sec	+ 45 sec	NUMBER STOPPED	NUMBER NOT STOPPED
5:51 PM	0	0	0	0	0	0
5:52 PM	0	1	1	1	1	0
5:53 PM	0	0	0	0	0	0
5:54 PM	0	0	0	1	1	0
5:55 PM	1	2	2	2	3	0
5:56 PM	2	2	0	0	4	0
5:57 PM	0	0	0	2	2	0
5:58 PM	1	1	0	0	1	0
5:59 PM	1	1	2	0	2	0
SUBTOTAL	5	7	5	6	14	0
TOTAL	23					14

TOTAL DELAY = TOTAL NUMBER STOPPED X SAMPLING INTERVAL

23 X 15 = 345 Vehicle-Seconds

AVERAGE DELAY PER STOPPED VEHICLE = TOTAL DELAY / NUMBER OF STOPPED VEHICLE

= 345 / 14 **24.6 Seconds**

AVERAGE DELAY PER APPROACH VEHICLE = TOTAL DELAY / APPROACH VOLUME

= 345 / 14 **24.6 Seconds**

PERCENT OF VEHICLES STOPPED = NUMBER OF STOPPED VEHICLES / APPROACH VOLUME

= 14 / 14 **100%**

TRAFFIC SIGNAL WARRANT SUMMARY

City: Englewood
County: Charlotte

Engineer: FTE
Date: February 15, 2005

Major Street: SR 776
Minor Street: Riverwood Entrance

Lanes: 2
Lanes: 1

Critical Approach Speed: 45

Volume Level Criteria

1. Is the critical speed of major street traffic > 70 km/h (40 mph) ? ☒ Yes ☐ No
2. Is the intersection in a built-up area of isolated community of <10,000 population? ☒ Yes ☐ No

If Question 1 or 2 above is answered "Yes", then use "70%" volume level ☒ 70% ☐ 100%

WARRANT 1 - EIGHT-HOUR VEHICULAR VOLUME

Applicable: ☒ Yes ☐ No
Satisfied: ☒ Yes ☐ No

Warrant 1 is satisfied if Condition A or Condition B is "100%" satisfied.
Warrant is also satisfied if both Condition A and Condition B are "80%" satisfied.

Condition A - Minimum Vehicular Volume

100% Satisfied: ☐ Yes ☐ No
80% Satisfied: ☐ Yes ☐ No

(volumes in veh/hr)	Minimum Requirements (80% Shown in Brackets)				Eight Highest Hours							
Approach Lanes	1		2 or more									
Volume Level	100%	70%	100%	70%	7:00 AM - 8:00 AM	8:00 AM - 9:00 AM	9:00 AM - 10:00 AM	11:00 AM- 12:00 PM	12:00 PM- 1:00 PM	1:00-2:00 2:00 PM	2:00-3:00 3:00 PM	3:00-4:00 4:00 PM
Both Approaches on Major Street	500 (400)	350	600 (480)	420	2,278	1,859	1,823	1,886	2,158	2,389	1,719	2,319
Highest Approach on Minor Street	150 (120)	105	200 (160)	140	99	115	163	102	115	116	103	103

Record 8 highest hours and the corresponding volumes in boxes provided. Condition is 100% satisfied if the minimum volumes are met for eight hours . Condition is 80% satisfied if parenthetical volumes are met for eight hours.

Condition B - Interruption of Continuous Traffic

Condition B is intended for application where the traffic volume is so heavy that traffic on the minor street suffers excessive delay.

Applicable: ☐ Yes ☒ No
Excessive Delay: ☐ Yes ☒ No
100% Satisfied: ☐ Yes ☐ No
80% Satisfied: ☐ Yes ☐ No

(volumes in veh/hr)	Minimum Requirements (80% Shown in Brackets)				Eight Highest Hours							
Approach Lanes	1		2 or more									
Volume Level	100%	70%	100%	70%	7:00 AM - 8:00 AM	8:00 AM - 9:00 AM	9:00 AM - 10:00 AM	11:00 AM- 12:00 PM	12:00 PM- 1:00 PM	1:00-2:00 2:00 PM -	2:00-3:00 3:00 PM -	3:00-4:00 4:00 PM -
Both Approaches on Major Street	750 (600)	525	900 (720)	630	2,278	1,859	1,823	1,886	2,158	2,389	1,719	2,319
Highest Approach on Minor Street	75 (60)	53	100 (80)	70	99	115	163	102	115	116	103	103

Record 8 highest hours and the corresponding volumes in boxes provided. Condition is 100% satisfied if the minimum volumes are met for eight hours . Condition is 80% satisfied if parenthetical volumes are met for eight hours.

Source: Revised from NCHRP Report 457

TRAFFIC SIGNAL WARRANT SUMMARY

City: Englewood
County: Charlotte

Engineer: FTE
Date: February 15, 2005

Major Street: SR 776
Minor Street: Riverwood Entrance

Lanes: 2
Lanes: 1

Critical Approach Speed: 45

Volume Level Criteria

1. Is the critical speed of major street traffic > 70 km/h (40 mph) ? ✡ Yes ☐ No
2. Is the intersection in a built-up area of isolated community of <10,000 population? ✡ Yes ☐ No

If Question 1 or 2 above is answered "Yes", then use "70%" volume level ✡ 70% ☐ 100%

WARRANT 2 - FOUR-HOUR VEHICULAR VOLUME

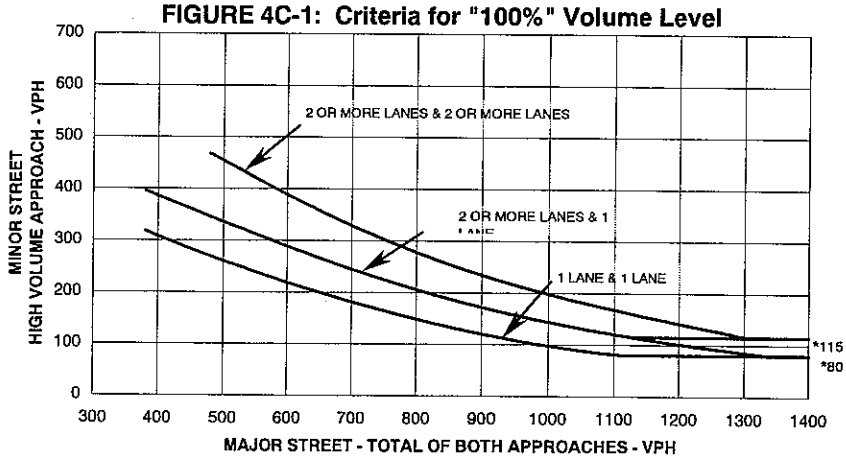
If all four points lie above the appropriate line, then the warrant is satisfied.

Applicable: ✡ Yes ☐ No
Satisfied: ✡ Yes ☐ No

Plot four volume combinations on the applicable figure below.

Four Highest Hours	Volumes	
	Major Street	Minor Street
8:00 AM - 9:00 AM	1,859	115
9:00 AM - 10:00 AM	1,823	163
12:00 PM- 1:00 PM	2,158	115
1:00 PM - 2:00 PM	2,389	116

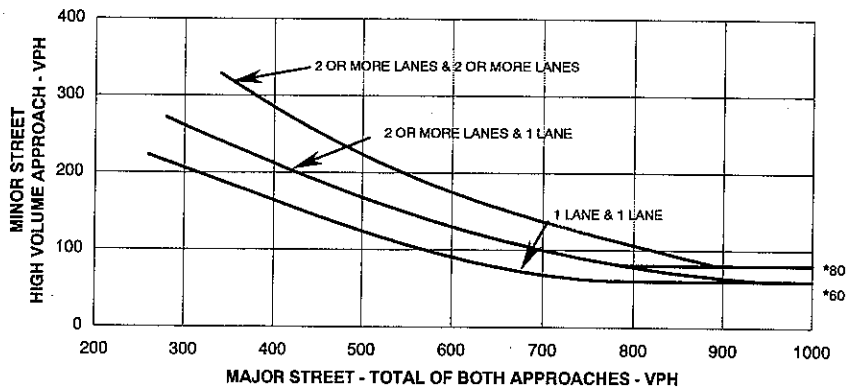
FIGURE 4C-1: Criteria for "100%" Volume Level



** Note: 115 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 80 vph applies as the lower threshold volume threshold for a minor street approach with one lane.*

FIGURE 4C-2: Criteria for "70%" Volume Level

(Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)



** Note: 80 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 60 vph applies as the lower threshold volume threshold for a minor street approach with one lane.*

Source: Revised from NCHRP Report 457

TRAFFIC SIGNAL WARRANT SUMMARY

City: Englewood
County: Charlotte

Engineer: FTE
Date: February 15, 2005

Major Street: SR 776
Minor Street: Riverwood Entrance

Lanes: 2
Lanes: 1

Critical Approach Speed: 45

Volume Level Criteria

1. Is the critical speed of major street traffic > 70 km/h (40 mph) ? ✡ Yes ☐ No
2. Is the intersection in a built-up area of isolated community of <10,000 population? ✡ Yes ☐ No

If Question 1 or 2 above is answered "Yes", then use "70%" volume level ✡ 70% ☐ 100%

WARRANT 3 - PEAK HOUR

If all three criteria are fullfilled or the plotted point lies above the appropriate line, then the warrant is satisfed.

Applicable: ☐ Yes ✡ No
Satisfied: ☐ Yes ☐ No

Unusual condition justifying use of warrant:

_____

_____

Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.

Peak Hour		
17:00	18:00	

Criteria

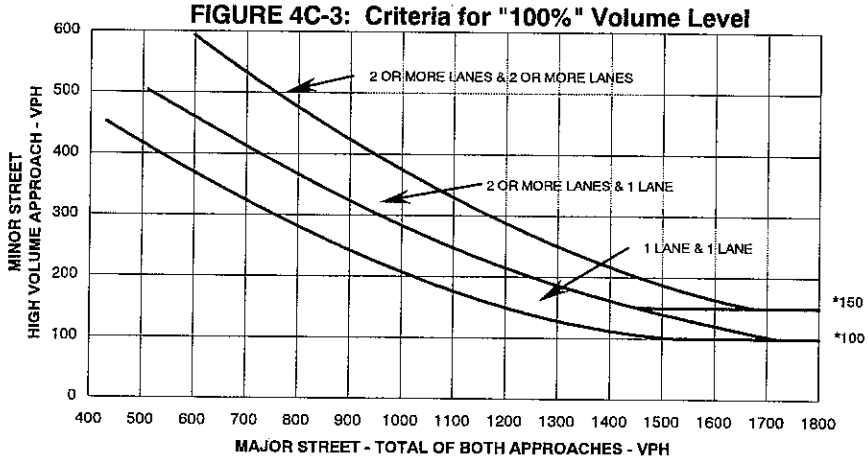
1. Delay on Minor Approach *(vehicle-hours)		
Approach Lanes	1	2
Delay Criteria*	4.0	5.0
Delay*		
Fulfilled?: ☐ Yes	☐ No	

2. Volume on Minor Approach *(vehicles per hour)		
Approach Lanes	1	2
Volume Criteria*	100	150
Volume*		
Fulfilled?: ☐ Yes	☐ No	

3. Total Entering Volume *(vehicles per hour)		
No. of Approaches	3	4
Volume Criteria*	650	800
Volume*		
Fulfilled?: ☐ Yes	☐ No	

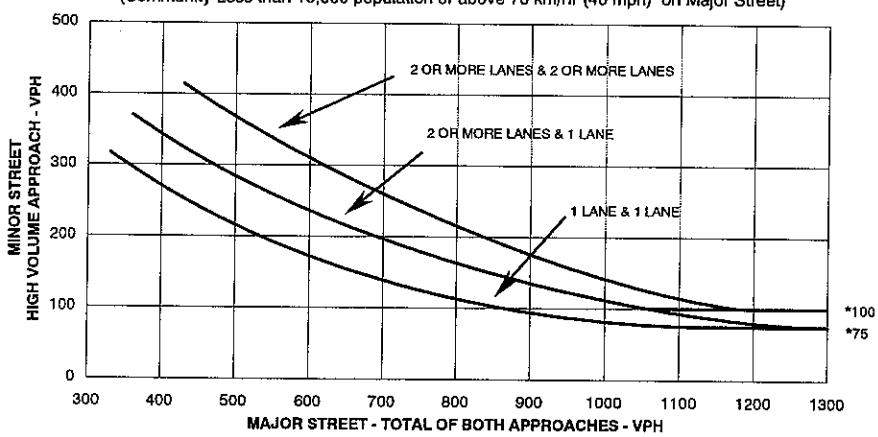
Plot volume combination on the applicable figure below.

FIGURE 4C-3: Criteria for "100%" Volume Level



** Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.*

FIGURE 4C-4: Criteria for "70%" Volume Level
(Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)



** Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.*

Source: Revised from NCHRP Report 457

TRAFFIC SIGNAL WARRANT SUMMARY

City: Englewood
County: Charlotte

Engineer: FTE
Date: February 15, 2005

Major Street: SR 776 — Lanes: 2 — Critical Approach Speed: 45
Minor Street: Riverwood Entrance — Lanes: 1

WARRANT 4 - PEDESTRIAN VOLUME

Applicable: ☐ Yes ✡ No
Satisfied: ☐ Yes ☐ No

Record hours where criteria are fulfilled and the corresponding volume or gap frequency in the boxes provided. The warrant is satisfied if condition 1 or 2 is fulfilled and condition 3 is fulfilled.

Criteria	Hour	Pedestrian Volume	Pedestrian Gaps	Fulfilled? Yes	Fulfilled? No
1. Pedestrian volume crossing the major street is 100 ped/hr or more for each of any four hours and there are less than 60 gaps per hour in the major street traffic stream of adequate length.					
2. Pedestrian volume crossing the major street is 190 ped/hr or more for any one hour and there are less than 60 gaps per hour in the major street traffic stream of adequate length.					
3. The nearest traffic signal along the major street is located more than 90 m (300 ft) away, or the nearest signal is within 90 m (300 ft) but the proposed traffic signal will not restrict the progressive movement of traffic.					

WARRANT 5 - SCHOOL CROSSING

Applicable: ☐ Yes ✡ No
Satisfied: ☐ Yes ☐ No

Record hours where criteria are fulfilled and the corresponding volume or gap frequency in the boxes provided. The warrant is satisfied if all three of the criteria are fulfilled.

Criteria				Fulfilled? Yes	Fulfilled? No
1. There are a minimum of 20 students crossing the major street during the highest crossing hour.	Students:	Hour:			
2. There are fewer adequate gaps in the major street traffic stream during the period when the children are using the crossing than the number of minutes in the same period.		Minutes:	Gaps:		
3. The nearest traffic signal along the major street is located more than 90 m (300 ft) away, or the nearest signal is within 90 m (300 ft) but the proposed traffic signal will not restrict the progressive movement of traffic.					

WARRANT 6 - COORDINATED SIGNAL SYSTEM

Applicable: ☐ Yes ✡ No
Satisfied: ☐ Yes ☐ No

Indicate if the criteria are fulfilled in the boxes provided. The warrant is satisfied if either criterion is fulfilled. This warrant should not be applied when the resulting signal spacing would be less than 300 m (1,000 ft).

Criteria	Fulfilled? Yes	Fulfilled? No
1. On a one-way street or a street that has traffic predominately in one direction, the adjacent signals are so far apart that they do not provide the necessary degree of vehicle platooning.		
2. On a two-way street, adjacent signals do not provide the necessary degree of platooning, and the proposed and adjacent signals will collectively provide a progressive operation.		

Source: Revised from NCHRP Report 457

TRAFFIC SIGNAL WARRANT SUMMARY

City: Englewood
County: Charlotte

Engineer: FTE
Date: February 15, 2005

Major Street: SR 776
Minor Street: Riverwood Entrance

Lanes: 2
Lanes: 1

Critical Approach Speed: 45

WARRANT 7 - CRASH EXPERIENCE

Applicable: ✡ Yes ☐ No
Satisfied: ☐ Yes ✡ No

Record hours where criteria are fulfilled, the corresponding volume, and other information in the boxes provided. The warrant is satisfied if all three of the criteria are fulfilled.

Criteria		Hour	Volume	Met? Yes	Met? No	Fulfilled? Yes	Fulfilled? No
1. One of the warrants to the right is met.	Warrant 1, Condition A (80% satisfied)			✡		✡	
	Warrant 1, Condition B (80% satisfied)						
	Warrant 4, Pedestrian Volume at 80% of volume requirements: 80 ped/hr for four (4) hours or 152 ped/hr for one (1) hour						
2. Adequate trial of other remedial measure has failed to reduce crash frequency.		Measure tried:					✡
3. Five or more reported crashes, of types susceptible to correction by signal, have occurred within a 12-mo. period.		Number of crashes per 12 months:	1				✡

WARRANT 8 - ROADWAY NETWORK

Applicable: ☐ Yes ✡ No
Satisfied: ☐ Yes ☐ No

Record hours where criteria are fulfilled, and the corresponding volume or other information in the boxes provided. The warrant is satisfied if at least one of the criteria is fulfilled and if all intersecting routes have one or more of the characteristics listed.

Criteria							Met? Yes	Met? No	Fulfilled? Yes	Fulfilled? No
1. Both of the criteria to the right are met.	a. Total entering volume of at least 1,000 veh/hr during a typical weekday peak hour.			Entering Volume: 1,702						
	b. Five-year projected volumes that satisfy one or more of Warrants 1, 2, or 3.		Warrant:	1	2	3				
			Satisfied?:							
2. Total entering volume at least 1,000 veh/hr for each of any 5 hrs of a non-normal business day (Sat. or Sun.)							← Hour			
							← Volume			

Characteristics of Major Routes		Met? Yes	Met? No	Fulfilled? Yes	Fulfilled? No
1. Part of the street or highway system that serves as the principal roadway network for through traffic flow.	Major Street:				
	Minor Street:				
2. Rural or suburban highway outside of, entering, or traversing a city.	Major Street:				
	Minor Street:				
3. Appears as a major route on an official plan.	Major Street:				
	Minor Street:				

CONCLUSIONS

Warrants Satisfied: 1 2

Remarks: Warrants 3,4,5,6 and 8 are not applicable

Source: Revised from NCHRP Report 457