City of Panama City
Roadway Management Report

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Introduction

This report presents the existing and forecasted conditions of selected roadways and intersections within the City of Panama City. Existing traffic data was collected for the facilities and analyzed. The first portion of this report presents the existing (2005) conditions for the selected roadways and intersections. The second portion presents the forecasted conditions assuming general background growth plus the development/redevelopment of potential residential condominium units and retail projects around the downtown area.

Executive Summary

The City of Panama City is on the verge of a redevelopment and development period. The downtown core is revitalizing and numerous residential developments are planned and expected surrounding this core area. The City is taking a proactive stance by looking forward to forecast the potential traffic impacts of this development to identify the infrastructure needed to support the development.

Many downtown areas throughout Florida and around the country are currently working to reenergize their downtown areas. Many "downtowns" have been reduced to vacant buildings and empty store fronts for a variety of reasons including shopping malls and planned residential developments. To overcome the lack of a permanent population base in their downtown cores, many cities have begun offer incentives to developers to redevelop and develop residential units. The City of Pensacola is developing Aragon Court into single family residential units. The City of Tallahassee is encouraging residential condominium and apartment units in their downtown. This approach is being repeated through the country.

The City of Panama City finds itself in somewhat of an enviable situation. Many, if not most, of the proposed residential developments proposed for the downtown area are coming in without incentives. The area has proven to be attractive for residential development due to its existing amenities and the atmosphere it offers.

Each of the known development/redevelopment areas has been identified and a development program has been assigned to each area. Traffic or trips for each of these areas has been estimated and distributed throughout the study area roadway network. In addition, a general level of traffic growth (3%) was assumed to account for the expected but unknown redevelopment and annual growth in traffic.

With this forecasted traffic loaded onto the roadway network and analysis was done on roadway segments and intersections identified by the City. There are three roadway segments expected to fall below acceptable standards as a result of the expected growth.

In addition, there are several movements at intersections that are expected to fall below acceptable standards as well. They are highlighted below and covered in greater detail in the report. Each of these segments and intersections will need to be monitored as development begins to come on-line to insure proper improvements are made to accommodate the increased demand.

Roadway Segments

- Business 98 from Beach Boulevard to Harrison Avenue
- Business 98 from Harrison Avenue to Hamilton Avenue
- Cove Boulevard from Business 98 to 4th Street

Intersections

- 5th Street at Beach Drive - Eastbound
- 5th Street at Jenks Avenue - Eastbound

The existence of the grid system in downtown Panama City allows for numerous travel options in and through the downtown area. This allows traffic to distribute in multiple paths and minimizes the impact developments have on the roadway network. The grid system also allows for traffic to easily shift avoiding congestion at intersections and along segments. For this reason the downtown area is able to handle larger amounts of traffic than areas with fewer roadways.

In addition to the grid system's ability to handle larger amounts of traffic, the Panama City Land Development Code establishes level of service standards for minor arterials, collector roadways, and local streets at LOS "E". Principal arterials have an established LOS standard of "D". While these standards are consistent with many local governments around the state, they do allow for higher volumes on area roadways. Should the City desire to establish a more conservative policy on congestion management, they may wish to revisit the level of service standards for the roadways within the city. For the purposes of this study the level of service standards used will be from the Land Development Code

and the corresponding maximum allowable volumes will be derived from the Florida Department of Transportation's Level of Service Handbook.

Section 1
Existing Conditions

Development of Roadway Segmentation

The first task was to determine which roadway segments should be included in the Roadway Management System. A review of the roadways was completed for the study area. The Bay County Transportation Planning Organization's Congestion Management System (CMS) Plan was used as a starting point to determining which roadways should be included in the Concurrency System. The traffic break points were reviewed based on the FDOT 2003 traffic counts to determine if additional segment breaks should be incorporated into the Management System.

Several roadways were considered that are not part of the Congestion Management System (CMS). Working with the City of Panama City, these roadways were identified for inclusion in the system.

Table 1 presents the roadway segments to be included in the Management System.

Table 1 - Roadway Segments

ROADWAY	SEGMENT
Beach Drive	6th Street to 4th Street
Beach Drive	4th Street to Luverene Avenue
5th Street	Beach Drive to Harrison Avenue
5th Street	Harrison Avenue to Harmon Avenue
Business 98	Beach Avenue to Harrison Avenue
Business 98	Harrison Avenue to Hamilton Avenue
Business 98	Hamilton Avenue East 4th Street
7th Street	Mulberry Avenue to Martin Luther King Jr. Blvd
7th Street	Martin Luther King Jr. Blvd to North Bonita Avenue
Jenks Avenue	8th Street to Business 98
Jenks Avenue	Business 98 to Oak Avenue
Mulberry Avenue	8th Street to Business 98
Luverene Avenue	5th Street to 3rd Street
Luverene Avenue	3rd Street to Beach Avenue
4th Street	Beach Drive to Harrison Avenue
4th Street	Harrison Avenue to Hamilton Avenue
4th Street	Hamilton Avenue to Business 98

Table 1 - Roadway Segments

ROADWAY	SEGMENT
Magnolia Avenue	5th Street to 3rd Street
Grace Avenue	Business 98 to 4th Street
Harrison Avenue	7th Avenue to 6th Street
Harrison Avenue	6th Street to Government Avenue
Hamilton Avenue	7th Street to 5th Street
Martin Luther King Jr. Boulevard	7th Street to Business 98
Cove Boulevard	Business 98 to 4th Street

Roadway Segment Data

The second task was to collect data on each on the roadway segments to be included in the Management System. For each segment identified in Task 1 the following data was collected and/or developed:

- Number of Lanes
- Area Type
- Roadway Classification
- Adopted Level of Service Standard
- Truck Axle Factor
- Seasonal Adjustment Factors (See Appendix A)
- "K30" Factor
- "D30" Factor
- 2005 Traffic Counts (See Appendix B)
- Location of traffic signals (See Appendix C)

Table 2 presents this data for each of the segments. Sources for this data included the City of Panama City, Florida Department of Transportation, and the West Florida Regional Planning Council.

Based on section 3-3.3. (Level of Service Standards) of the Land Development Code the following level of service standards shall be used to evaluate available facility capacity and as a basis for issuance of development orders within the City:

Levels of service for transportation systems or facilities shall be based upon the functional classifications of roadways. The level of service standards were derived from the City of Panama City's Land Development Code and consistent with the LDC the maximum allowable volumes are based on the Florida Department of Transportation Level of Service Handbook.

Functional Classification Urban	Peak Hour Level of Service
Principal arterial	D
Minor arterial	E
Collector	E
Local street	E

Source: City of Panama City Land Development Code

The seasonal adjustment factors, 2005 traffic counts and signal location maps can be found in Appendices A, B, and C respectively.

Table 2 - Roadway Segment Data

ROAD	SEGMENT	FUNC CLASS	NO LNS	FACILITY TYPE	# OF SIG	SIG/MILE	SEG LTH	LOS AREA	LOS STD MAX VOL	COUNT STA #	2005 COUNT	2005 AADT	LOS	"K30" Factor	"D30" Factor	"T" Factor
Beach Drive	Business 98 to 4th Street	Collector Roadway	2	Undivided	3	4.0	0.75	Urban	E 16,300	2101	5,500	5,500	C	10.27	54.59	13.26
Beach Drive	4th Street to Luverne Avenue	Collector Roadway	2	Undivided	3	4.0	0.75	Urban	E 16,300	2201 2202	4,600 5,400	5,000	C	10.27	54.59	13.26
5th Street	Beach Drive to Harrison Avenue	Local	2	Undivided	2	7.1	0.28	Urban	E 15,500	2601	1,700	1,700	C	10.27	54.59	5.39
5th Street	Harrison Avenue to Harmon Avenue	Local	2	Undivided	0	0.0	0.15	Urban	E 16,900	2501	1,000	1,000	B	10.27	54.59	5.39
Business 98	Beach Avenue to Harrison Avenue	Minor Arterial	2	Undivided	3	8.3	0.36	Urban	E 15,500	3105 2803	7,300 11,600	9,450	D	10.27	54.59	13.26
Business 98	Harrison Avenue to Hamilton Avenue	Minor Arterial	2	Undivided	4	8.0	0.5	Urban	E 15,500	2804 3111	13,100 14,100	13,600	D	10.27	54.59	13.26
Business 98	Hamilton Avenue to East 4th Street	Minor Arterial	4	Undivided	2	4.4	0.45	Urban	E 34,500	3115	18,300	18,300	D	10.27	54.59	13.26
7th Street	Mulberry Avenue to Martin Luther King Jr. Blvd	Local	2	Undivided	4	4.4	0.9	Urban	E 16,300	3108 3109 3110 3114	2,700 3,500 3,300 3,000	3,125	C	10.27	54.59	13.26
7th Street	Martin Luther King Jr. Blvd to North Bonita Avenue	Local	2	Undivided	0	0.0	0.2	Urban	E 16,900	3113	5,100	5,100	C	10.27	54.59	13.26
Jenks Avenue	8th Street to Business 98	Collector Roadway	2	Undivided	1	4.2	0.24	Urban	E 16,300	2701	6,600	6,600	C	10.27	54.59	13.26
Jenks Avenue	Business 98 to Oak Avenue	Collector Roadway	2	Undivided	1	4.0	0.25	Urban	E 16,300	2702	4,500	4,500	C	10.27	54.59	13.26
Mulberry Avenue	8th Street to Business 98	Local	2	Undivided	0	0.0	0.24	Urban	E 16,900	3106	1,100	1,100	B	10.27	54.59	13.26
Luverene Avenue	5th Street to 3rd Street	Local	2	Undivided	0	0.0	0.21	Urban	E 16,900	3102	550	550	B	10.27	54.59	13.26
Luverene Avenue	3rd Street to Beach Avenue	Local	2	Undivided	0	0.0	0.12	Urban	E 16,900	3101	1,200	1,200	B	10.27	54.59	13.26

Table 2 - Roadway Segment Data

ROAD	SEGMENT	FUNC CLASS	NO LNS	FACILITY TYPE	PCT SIG	SEG MILES	SEG LENGTH	LOS AREA	LOS STD MAX VOL	COUNT STAT	2005 COUNT	2005 ADT	LOS	K30 Factor	D30 Factor	"T" Factor
Harrison Avenue	7th Avenue to 6th Street	Principal Arterial	4	Divided	1	8.3	0.12	Urban	D 28,900	2801	8,700	8,700	C	10.27	54.59	5.17
Harrison Avenue	6th Street to Government Avenue	Local	2	Undivided	3	7.5	0.4	Urban	E 15,500	2203 2401 2802	5,400 5,200 5,600	5,400	D	10.27	54.59	5.17
Magnolia Avenue	5th Street to 3rd Street	Local	2	Undivided	1	4.8	0.21	Urban	E 15,500	3104	1,200	1,200	C	10.27	54.59	5.17
Grace Avenue	Business 98 to 4th Street	Local	2	Undivided	0	0.0	0.24	Urban	E 16,900	3107	1,700	1,700	B	10.27	54.59	5.17
4th Street	Beach Drive to Harrison Avenue	Collector Roadway	2	Undivided	1	8.3	0.12	Urban	E 15,500	2302 2303	2,500 3,100	2,800	C	10.27	54.59	5.17
4th Street	Harrison Avenue to Hamilton Avenue	Collector Roadway	2	Undivided	1	2.1	0.47	Urban	E 16,300	2402	5,500	5,500	C	10.27	54.59	5.17
4th Street	Hamilton Avenue to Business 98	Collector Roadway	2	Undivided	1	2.1	0.48	Urban	E 16,300	3001 3116	5,000 4,700	4,850	C	10.27	54.59	5.17
Hamilton Avenue	7th Street to 5th Street	Local	2	Undivided	1	4.2	0.24	Urban	E 16,300	3112	960	960	B	10.27	54.59	5.39
Martin Luther King Jr. Boulevard	7th Street to Business 98	Minor Arterial	4	Divided	1	4.5	0.22	Urban	E 34,500	2901	13,500	13,500	C	10.27	54.59	5.39
Cove Boulevard	Business 98 to 4th Street	Local	2	Undivided	1	2.0	0.5	Urban	E 16,300	3002	7,200	13,500	D	10.27	54.59	5.39

Available Capacity Determination

Using data collected in the first two tasks the available daily capacity was determined for each roadway segment. This determination is based on the 2002 Florida Department of Transportation (FDOT) Level of Service (LOS) Handbook, otherwise known as the FDOT Generalized Tables. *It should be noted that this is an initial capacity determination. Should it be desired, a more detailed evaluation could be completed for selected roadways to more accurately determine the capacity.* In addition, due to the on street parking along Harrison Avenue and Beach Drive, the maximum allowable volumes are based on roadway segments with more than 4.5 signals per mile to account for the delay created by the parking.

Table 3 presents the available capacity for each roadway segment.

As Table 3 presents, there are several roadway segments that are approaching capacity but none that are currently operating below established standards.

Table 3 - Remaining Capacity

ROAD	SEGMENT	NO. LNS	EFFECTIVE TYPE	SIG. MILE	FOS AREA	FOS STD MAX VOL	2005 AADT	Remaining Capacity
Beach Drive	Business 98 to 4th Street	2	Undivided	4.0	Urban	E 16,300	5,500	10,800
Beach Drive	4th Street to Luverene Avenue	2	Undivided	4.0	Urban	E 16,300	5,000	11,300
5th Street	Beach Drive to Harrison Avenue	2	Undivided	7.1	Urban	E 15,500	1,700	13,800
5th Street	Harrison Avenue to Harmon Avenue	2	Undivided	0.0	Urban	E 16,900	1,000	15,900
Business 98	Beach Avenue to Harrison Avenue	2	Undivided	8.3	Urban	E 15,500	9,450	6,050
Business 98	Harrison Avenue to Hamilton Avenue	2	Undivided	4.8	Urban	E 15,500	15,600	11,900
Business 98	Hamilton Avenue to East 4th Street	4	Undivided	4.4	Urban	E 34,500	18,300	16,200
7th Street	Mulberry Avenue to Martin Luther King Jr. Blvd	2	Undivided	4.4	Urban	E 16,300	3,125	13,175
7th Street	Martin Luther King Jr. Blvd to North Bonita Avenue	2	Undivided	0.0	Urban	E 16,900	5,100	11,800
Jenks Avenue	8th Street to Business 98	2	Undivided	4.2	Urban	E 16,300	6,600	9,700
Jenks Avenue	Business 98 to Oak Avenue	2	Undivided	4.0	Urban	E 16,300	4,500	11,800
Mulberry Avenue	8th Street to Business 98	2	Undivided	0.0	Urban	E 16,900	1,100	15,800

Table 3 - Remaining Capacity

ROAD	SEGMENT	NO. LNS	FACILITY TYPE	SIG. MILE	LOS AREA	LOS STD. MAX VOL	2005 AADT	Remaining Capacity
Luverene Avenue	5th Street to 3rd Street	2	Undivided	0.0	Urban	E 16,900	550	16,350
Luverene Avenue	3rd Street to Beach Avenue	2	Undivided	0.0	Urban	E 16,900	1,200	15,700
Harrison Avenue	7th Avenue to Business 98	4	Divided	8.3	Urban	D 28,900	8,700	20,200
Harrison Avenue	Business 98 to Government Avenue	2	Undivided	7.5	Urban	E 15,500	5,400	10,100
4th Street	Beach Drive to Harrison Avenue	2	Undivided	8.3	Urban	E 15,500	2,800	12,700
4th Street	Harrison Avenue to Hamilton Avenue	2	Undivided	2.1	Urban	E 16,900	5,500	11,400
4th Street	Hamilton Avenue to Business 98	2	Undivided	2.1	Urban	E 15,500	4,850	10,650
Magnolia Avenue	5th Street to 3rd Street	2	Undivided	4.8	Urban	E 16,300	1,200	15,100
Grace Avenue	Business 98 to 4th Street	2	Undivided	0.0	Urban	E 16,300	1,700	14,600
Hamilton Avenue	7th Street to 5th Street	2	Undivided	4.2	Urban	E 16,300	960	15,340
Martin Luther King Jr. Boulevard	7th Street to Business 98	4	Divided	4.5	Urban	E 34,500	13,500	21,000
Cove Boulevard	Business 98 to 4th Street	2	Undivided	0.5	Urban	E 16,300	13,500	2,800

Intersection Analysis

The following section presents the turning movement counts collected throughout the Study Area. Data was collected at each location for an eight (8) hour period on a Tuesday, Wednesday, or Thursday. The following intersections were observed:

- Beach Drive at 5th Street
- Business 98 at SR77
- Harrison Avenue at 4th Street
- Harrison Avenue at 5th Street
- Harrison Avenue at 6th Street
- Harrison Avenue at Beach Drive
- Cove Boulevard at 4th Street
- Jenks Avenue at 5th Street
- Jenks Avenue at 6th Street
- Oak Street at 4th Street

A planning level analysis was completed for each of the intersections listed below. Table 4 through 7 present the findings of this analysis. Appendix D contains the detailed analysis for each intersection.

Table 4 and 5 presents the AM and PM analysis for the signalized intersections.

TABLE 4

AM CAPACITY ANALYSIS – SIGNALIZED INTERSECTIONS

[illegible]	[illegible]	[illegible]
4th Street / Cove Boulevard	0.44	UNDER CAPACITY
6th Street / Cove Boulevard	0.70	UNDER CAPACITY
4th Street / Harrison Avenue	0.23	UNDER CAPACITY
6th Street / Harrison Avenue	0.60	UNDER CAPACITY
Beach Drive / Harrison Avenue	0.47	UNDER CAPACITY
6th Street / Jenks Avenue	0.64	UNDER CAPACITY

TABLE 5

PM CAPACITY ANALYSIS – SIGNALIZED INTERSECTIONS

[illegible]	[illegible]	[illegible]
4th Street / Cove Boulevard	0.42	UNDER CAPACITY
Bus. 98 6th Street / Cove Boulevard	0.81	UNDER CAPACITY
4th Street / Harrison Avenue	0.36	UNDER CAPACITY
6th Street / Harrison Avenue	0.56	UNDER CAPACITY
Beach Drive / Harrison Avenue	0.42	UNDER CAPACITY
6th Street / Jenks Avenue	0.60	UNDER CAPACITY

Tables 6 and 7 present the AM and PM intersection analysis results for the unsignalized intersections.

TABLE 6

AM LEVEL OF SERVICE (LOS) – UNSIGNALIZED INTERSECTIONS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5th Street / Beach Drive	C	B	A	A
4th Street / Oak Avenue	B	B	A	A
5th Street / Harrison Avenue	B	B	A	A
5th Street / Jenks Avenue	B	B	A	A

TABLE 7

PM LEVEL OF SERVICE (LOS) – UNSIGNALIZED INTERSECTIONS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5th Street / Beach Drive	D	B	A	A
4th Street / Oak Avenue	B	B	A	A
5th Street / Harrison Avenue	B	B	A	A
5th Street / Jenks Avenue	C	C	A	A

As shown in the tables, none of the intersections are operating at or over capacity. In addition none of the unsignalized intersections are operating below acceptable standards.

Section 2
Future Conditions

In order to forecast the conditions in the future a three percent (3%) annual growth rate was used to increase the traffic volume on the roadway segments identified in Table 1. In addition to this general growth in background traffic, p.m. peak hour traffic from specific developments was added to develop the forecasted volumes. The buildout date of the expected redevelopment sites is not know for every site. Therefore for the purposes of this report the project trips are expected to be in the system by 2010.

Table 8 presents the trip generation assumptions for the proposed development/redevelopment sites. Map A depicts the locations of these sites.

Table 8
Future Development Trip Generation

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A	Residential Condo	90	29	17	46
B	Commercial/Residential	130 19,174 Sq. Ft.	37 101	23 109	60 210
C	Residential Condo	80	27	16	43
D	Residential Condo	200	51	32	83
E	Residential Condo	400	94	57	151
F	Residential Condo	200	51	32	83
G	Residential Condo	200	51	32	83
H	Residential Condo	75	25	16	41
I	Commercial	15,000 Sq. Ft.	27	29	56
J	Commercial	15,000 Sq. Ft.	27	29	56
K	Commercial	15,000 Sq. Ft.	27	29	56
L	Commercial	15,000 Sq. Ft.	27	29	56
M	New Court House		29	139	191
TOTAL		**1,375 Units**	**603**	**599**	**1,202**

Map A

Table 9 depicts the roadway segment analysis for the future conditions. Three (3) segments are forecasted to fail at build out. They include:

- Business 98 from Beach Boulevard to Harrison Avenue
- Business 98 from Harrison Avenue to Hamilton Avenue
- Cove Boulevard from Business 98 to 4th Street

Each of these segments is expected to be over capacity based on the expected growth in general background traffic and the addition of the proposed development/redevelopment trips. The results depicted in Table 9 are based on an analysis of the average daily conditions of each of the roadway segments studied.

Map B depicts the expected deficiencies.

In addition to analyzing the roadway segments selected intersections were also studied. Listed below are the intersections analyzed as part of this report:

- Beach Drive at 5th Street
- Business 98 at SR77
- Harrison Avenue at 4th Street
- Harrison Avenue at 5th Street
- Harrison Avenue at 6th Street
- Harrison Avenue at Beach Drive
- Cove Boulevard at 4th Street
- Jenks Avenue at 5th Street
- Jenks Avenue at 6th Street
- Oak Street at 4th Street

As with the roadway segments, traffic volumes were forecasted based on historical growth and project specific growth. Therefore, for each intersection listed above, the existing movements were forecasted into the future and the project specific traffic was added to the future background traffic.

It should be noted that distributing traffic in a downtown area such as Panama City where a block level grid system exists presents numerous challenges. When congestion occurs in a grid system motorists may simply shift over one block to avoid it. Travel patterns are typically very fluid in a grid system, changing with the conditions.

Table 9 - Remaining Capacity

ROAD	SECTION	NO. LNS	FACILITY TYPE	LOS STD MAX VOL	2005 ADT	2005 Peak Hour	LOS	2010 ADT	2015 ADT	2020 ADT	2005 Remaining Capacity	2010 Remaining Capacity	2015 Remaining Capacity	2020 Remaining Capacity
Beach Drive	Business 98 to 4th Street	2	Undivided	E 16,300	5,500	980	C	7,547	8,749	10,143	10,800	8,753	7,551	6,157
Beach Drive	4th Street to Luverene Avenue	2	Undivided	E 16,300	5,000	590	C	6,560	7,605	8,816	11,300	9,740	8,695	7,484
5th Street	Beach Drive to Harrison Avenue	2	Undivided	E 15,500	1,700	310	C	2,340	2,713	3,145	13,800	13,160	12,787	12,355
5th Street	Harrison Avenue to Harmon Avenue	2	Undivided	E 16,900	1,000	185	B	1,379	1,599	1,853	15,900	15,521	15,301	15,047
Business 98	Beach Drive to Harrison Avenue	2	Undivided	E 15,500	[illegible]	590	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1,552	901
Business 98	Harrison Avenue to Harmon Avenue	2	Undivided	E 15,500	[illegible]	705	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7,271
Business 98	Hamilton Avenue to East 4th Street	4	Undivided	E 34,500	18,300	610	D	22,461	26,039	30,186	16,200	12,039	8,461	4,314
7th Street	Mulberry Avenue to Martin Luther King Jr. Blvd	2	Undivided	E 16,300	3,125	125	C	3,856	4,471	5,183	13,175	12,444	11,829	11,117
7th Street	Martin Luther King Jr. Blvd to North Bonita Avenue	2	Undivided	E 16,900	5,100	75	C	6,165	7,147	8,285	11,800	10,735	9,753	8,615
Jenks Avenue	8th Street to Business 98	2	Undivided	E 16,300	6,600	730	C	8,611	9,982	11,572	9,700	7,689	6,318	4,728
Jenks Avenue	Business 98 to Oak Avenue	2	Undivided	E 16,300	4,500	790	C	6,163	7,145	8,283	11,800	10,137	9,155	8,017
Mulberry Avenue	8th Street to Business 98	2	Undivided	E 16,900	1,100	80	B	1,393	1,615	1,873	15,800	15,507	15,285	15,027

Table 9 - Remaining Capacity

ROAD	SEGMENT	NO. LNS	FACILITY TYPE	LOS STD (MAX VOL)	2005 AADT	Proj. Trans.	LOS	2010 AADT	2015 AADT	2020 AADT	2005 Remaining Capacity	2010 Remaining Capacity	2015 Remaining Capacity	2020 Remaining Capacity
Luverene Avenue	5th Street to 3rd Street	2	Undivided	E 16,900	550	130	B	787	912	1,057	16,350	16,113	15,988	15,843
Luverene Avenue	3rd Street to Beach Avenue	2	Undivided	E 16,900	1,200	115	B	1,548	1,794	2,080	15,700	15,352	15,106	14,820
Harrison Avenue	7th Avenue to Business 98	4	Divided	D 28,900	8,700	680	C	11,068	12,831	14,875	20,200	17,832	16,069	14,025
Harrison Avenue	Business 98 to Government Avenue	2	Undivided	E 15,500	5,400	460	D	6,908	8,008	9,284	10,100	8,592	7,492	6,216
4th Street	Beach Drive to Harrison Avenue	2	Undivided	E 15,500	2,800	190	C	3,533	4,096	4,749	12,700	11,967	11,404	10,751
4th Street	Harrison Avenue to Hamilton Avenue	2	Undivided	E 16,900	5,500	80	C	6,647	7,706	8,933	11,400	10,253	9,194	7,967
4th Street	Hamilton Avenue to Business 98	2	Undivided	E 15,500	4,850	25	C	5,816	6,743	7,816	10,650	9,684	8,757	7,684
Magnolia Avenue	5th Street to 3rd Street	2	Undivided	E 16,300	1,200	170	C	1,603	1,858	2,154	15,100	14,697	14,442	14,146
Grace Avenue	Business 98 to 4th Street	2	Undivided	E 16,300	1,700	105	B	2,135	2,475	2,869	14,600	14,165	13,825	13,431
Hamilton Avenue	7th Street to 5th Street	2	Undivided	E 16,300	960	50	B	1,196	1,387	1,608	15,340	15,104	14,913	14,692
Martin Luther King Jr. Boulevard	7th Street to Business 98	4	Divided	E 34,500	13,500	380	D	16,500	19,128	22,174	21,000	18,000	15,372	12,326
Cove Boulevard	Business 98 to 4th Street	2	Undivided	E 16,300	13,500	420	D	16,610	19,925	22,322	2,800	-310	-2,955	-6,022

Map B

Appendix E contains schematic diagrams of each on the intersections. The appendix is subdivided to present the background traffic as well as the project traffic. For the purposes of this study each project's traffic was distributed throughout the downtown network, however for the intersection analysis the total project traffic was loaded into the analysis model to determine if any failures occurred.

Based on this analysis none of the intersections listed previously are expected to fall below acceptable standards. Appendix F presents the detailed analysis of each intersection. There are specific movements at several of the unsignalized intersections that will fall below standard but overall the intersections are forecasted to operate efficiently. The tables below summarize the findings of the intersection analysis.

Table 10

PM CAPACITY ANALYSIS – SIGNALIZED INTERSECTIONS

[illegible]	[illegible]	[illegible]
4th Street / Cove Boulevard	0.45	UNDER CAPACITY
6th Street / Cove Boulevard	0.85	UNDER CAPACITY
4th Street / Harrison Avenue	0.39	UNDER CAPACITY
6th Street / Harrison Avenue	0.62	UNDER CAPACITY
Beach Drive / Harrison Avenue	0.49	UNDER CAPACITY
6th Street / Jenks Avenue	0.70	UNDER CAPACITY

TABLE 11

PM LEVEL OF SERVICE (LOS) – UNSIGNALIZED INTERSECTIONS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5th Street / Beach Drive	**E**	**D**	A	A
4th Street / Oak Avenue	C	B	A	A
5th Street / Harrison Avenue	**D**	**D**	A	A
5th Street / Jenks Avenue	**D**	C	A	A

As depicted in Tables 10 and 11 none of the intersections studied are expected to fall below acceptable standards. However, 5th Street at Beach Drive, and Jenks Avenue are expected to have higher than average delay for all eastbound movements. And 5th Street at Harrison Avenue is expected to have higher than average delay for all east and westbound movement. As these are unsignalized intersections; geometric improvements are not expected to address these deficiencies. With the other movements at these intersections expected to operate within acceptable limits a traffic signal would not likely meet signal warrants at these locations. In light of this, no improvements are recommended at this time. The City may wish to begin monitoring these locations to verify the projections assumed in this report and to insure there are no safety related issues at these intersections as the development begins to come on-line.

Section 3
Costs

Each of the deficient roadway segments has limited right-of-way. It will be necessary to purchase right-of-way to allow for widening the facilities. In each of these cases the impact to the adjacent property is expected to be significant. For this reason the cost of right-of-way has been estimated a 2 times the cost of construction.

Table 12 presents the planning level cost estimates for the projects needed to address the forecasted deficiencies. These costs are based on the Florida Department of Transportation's 2004 Transportation Costs report. The Project Development and Environmental (PD&E) and Final Design costs are assumed to be 18% of the construction costs. These costs also assume intersection improvements at each of the intersections along the segment.

Table 12

Estimated Construction Costs

Project	Construction Costs	PD&E/Final Design Costs	Right-of-Way Costs	Total Estimated Costs
Business 98 Beach Blvd to Harrison Ave,	$1,500,000	$250,000	$3,500,000	~~$2,100,000~~ 5,250,000
Business 98 Harrison Ave to Hamilton Ave	$1,600,000	$280,000	$3,500,000	$5,380,000
Business 98 Hamilton Ave to 4th Street	$1,500,000	$250,000	$3,500,000	~~$2,100,000~~ 5,250,000
Cove Boulevard* Business 98 to 4th Street	$600,000	$80,000	$600,000	$1,280,000

Costs are in current dollars $17,160,000

**Cove Boulevard has sufficient pavement today to be restriped as a 4 lane facility. However, Right-of-way would need to be acquired at the intersections.*

Should the City decide to implement any of these projects, the cost estimates provided above should be used for planning purposes only. Once a detailed PD&E study has been completed a more accurate construction and right-of-way cost estimate can be developed.

Financing

The scope calls for recommendations for recovering capital improvement costs from future developments. This can be approached in a number of ways. Listed out below are several sources of development oriented fees that the City can implement to be used for infrastructure improvements:

- Impact Fees
- Municipal Services Taxing Unit (MSTU)
- Fair Share fees (collected as part of the concurrency application)
- Local Option Gas Tax (must coordinate with Bay County)

- Local Option Sales Tax (must coordinate with Bay County)

As development and redevelopment occurs along the deficient roadway segments, the City may require setbacks to accommodate the future widening of Business 98 and Cove Boulevard to keep the right-of-way acquisition costs within reason. Additionally, if the development occurs after the roadway becomes deficient or if the development directly results in the segment becoming deficient the City may determine that the development fails concurrency and required the developer address the deficient segments of roadway in order to proceed forward.

Bay County is currently developing a series of impact fees, one of which will be transportation related. The City may wish to coordinate with the County and determine if a similar impact fee would be beneficial to the City. Other tax related sources of revenue would need to be fully explored to determine their ability to fund these types of projects.

APPENDIX A

SEASONAL ADJUSTMENT FACTORS

Print Date: Apr/18/2005

Florida Department of Transportation
Transportation Statistics Office

2003 Peak Season Factor Category Report

BAY RECREATIONAL
Category: 4600

MOCF = 0.78

	Week	Dates	SF	PSCF
	1	01/01/2003 - 01/04/2003	1.73	2.22
	2	01/05/2003 - 01/11/2003	1.60	2.05
	3	01/12/2003 - 01/18/2003	1.46	1.87
	4	01/19/2003 - 01/25/2003	1.39	1.78
	5	01/26/2003 - 02/01/2003	1.32	1.69
	6	02/02/2003 - 02/08/2003	1.25	1.60
	7	02/09/2003 - 02/15/2003	1.18	1.51
	8	02/16/2003 - 02/22/2003	1.08	1.38
	9	02/23/2003 - 03/01/2003	0.99	1.27
	10	03/02/2003 - 03/08/2003	0.89	1.14
	11	03/09/2003 - 03/15/2003	0.79	1.01
	12	03/16/2003 - 03/22/2003	0.80	1.03
	13	03/23/2003 - 03/29/2003	0.81	1.04
	14	03/30/2003 - 04/05/2003	0.81	1.04
	15	04/06/2003 - 04/12/2003	0.82	1.05
	16	04/13/2003 - 04/19/2003	0.83	1.06
	17	04/20/2003 - 04/26/2003	0.84	1.08
	18	04/27/2003 - 05/03/2003	0.86	1.10
*	19	05/04/2003 - 05/10/2003	0.87	1.12
*	20	05/11/2003 - 05/17/2003	0.88	1.13
*	21	05/18/2003 - 05/24/2003	0.85	1.09
*	22	05/25/2003 - 05/31/2003	0.83	1.06
*	23	06/01/2003 - 06/07/2003	0.80	1.03
*	24	06/08/2003 - 06/14/2003	0.78	1.00
*	25	06/15/2003 - 06/21/2003	0.75	0.96
*	26	06/22/2003 - 06/28/2003	0.73	0.94
*	27	06/29/2003 - 07/05/2003	0.71	0.91
*	28	07/06/2003 - 07/12/2003	0.68	0.87
*	29	07/13/2003 - 07/19/2003	0.66	0.85
*	30	07/20/2003 - 07/26/2003	0.74	0.95
*	31	07/27/2003 - 08/02/2003	0.82	1.05
	32	08/03/2003 - 08/09/2003	0.89	1.14
	33	08/10/2003 - 08/16/2003	0.97	1.24
	34	08/17/2003 - 08/23/2003	1.00	1.28
	35	08/24/2003 - 08/30/2003	1.03	1.32
	36	08/31/2003 - 09/06/2003	1.06	1.36
	37	09/07/2003 - 09/13/2003	1.09	1.40
	38	09/14/2003 - 09/20/2003	1.12	1.44
	39	09/21/2003 - 09/27/2003	1.14	1.46
	40	09/28/2003 - 10/04/2003	1.15	1.47
	41	10/05/2003 - 10/11/2003	1.17	1.50
	42	10/12/2003 - 10/18/2003	1.19	1.53
	43	10/19/2003 - 10/25/2003	1.27	1.63
	44	10/26/2003 - 11/01/2003	1.35	1.73
	45	11/02/2003 - 11/08/2003	1.42	1.82
	46	11/09/2003 - 11/15/2003	1.50	1.92
	47	11/16/2003 - 11/22/2003	1.55	1.99
	48	11/23/2003 - 11/29/2003	1.59	2.04
	49	11/30/2003 - 12/06/2003	1.64	2.10
	50	12/07/2003 - 12/13/2003	1.68	2.15
	51	12/14/2003 - 12/20/2003	1.73	2.22
	52	12/21/2003 - 12/27/2003	1.60	2.05
	53	12/28/2003 - 12/31/2003	1.46	1.87

Note: "*" indicates peak season week

Florida Department of Transportation
Transportation Statistics Office

2003 Peak Season Factor Category Report

BAY, RURAL
Category: 4601

MOCF = 0.94

	Week	Dates	SF	PSCF
	1	01/01/2003 - 01/04/2003	1.07	1.14
	2	01/05/2003 - 01/11/2003	1.09	1.16
	3	01/12/2003 - 01/18/2003	1.12	1.19
	4	01/19/2003 - 01/25/2003	1.11	1.18
	5	01/26/2003 - 02/01/2003	1.10	1.17
	6	02/02/2003 - 02/08/2003	1.09	1.16
	7	02/09/2003 - 02/15/2003	1.08	1.15
	8	02/16/2003 - 02/22/2003	1.06	1.13
	9	02/23/2003 - 03/01/2003	1.04	1.11
	10	03/02/2003 - 03/08/2003	1.02	1.09
	11	03/09/2003 - 03/15/2003	1.00	1.06
	12	03/16/2003 - 03/22/2003	0.99	1.05
	13	03/23/2003 - 03/29/2003	0.98	1.04
	14	03/30/2003 - 04/05/2003	0.98	1.04
	15	04/06/2003 - 04/12/2003	0.97	1.03
	16	04/13/2003 - 04/19/2003	0.96	1.02
	17	04/20/2003 - 04/26/2003	0.96	1.02
*	18	04/27/2003 - 05/03/2003	0.95	1.01
*	19	05/04/2003 - 05/10/2003	0.95	1.01
*	20	05/11/2003 - 05/17/2003	0.94	1.00
*	21	05/18/2003 - 05/24/2003	0.94	1.00
*	22	05/25/2003 - 05/31/2003	0.94	1.00
*	23	06/01/2003 - 06/07/2003	0.94	1.00
*	24	06/08/2003 - 06/14/2003	0.94	1.00
*	25	06/15/2003 - 06/21/2003	0.94	1.00
*	26	06/22/2003 - 06/28/2003	0.93	0.99
*	27	06/29/2003 - 07/05/2003	0.93	0.99
*	28	07/06/2003 - 07/12/2003	0.93	0.99
*	29	07/13/2003 - 07/19/2003	0.93	0.99
*	30	07/20/2003 - 07/26/2003	0.94	1.00
	31	07/27/2003 - 08/02/2003	0.96	1.02
	32	08/03/2003 - 08/09/2003	0.98	1.04
	33	08/10/2003 - 08/16/2003	0.99	1.05
	34	08/17/2003 - 08/23/2003	0.99	1.05
	35	08/24/2003 - 08/30/2003	0.99	1.05
	36	08/31/2003 - 09/06/2003	1.00	1.06
	37	09/07/2003 - 09/13/2003	1.00	1.06
	38	09/14/2003 - 09/20/2003	1.00	1.06
	39	09/21/2003 - 09/27/2003	1.00	1.06
	40	09/28/2003 - 10/04/2003	1.01	1.07
	41	10/05/2003 - 10/11/2003	1.01	1.07
	42	10/12/2003 - 10/18/2003	1.02	1.09
	43	10/19/2003 - 10/25/2003	1.02	1.09
	44	10/26/2003 - 11/01/2003	1.02	1.09
	45	11/02/2003 - 11/08/2003	1.02	1.09
	46	11/09/2003 - 11/15/2003	1.01	1.07
	47	11/16/2003 - 11/22/2003	1.02	1.09
	48	11/23/2003 - 11/29/2003	1.03	1.10
	49	11/30/2003 - 12/06/2003	1.05	1.12
	50	12/07/2003 - 12/13/2003	1.06	1.13
	51	12/14/2003 - 12/20/2003	1.07	1.14
	52	12/21/2003 - 12/27/2003	1.09	1.16
	53	12/28/2003 - 12/31/2003	1.12	1.19

Note: "*" indicates peak season week

Florida Department of Transportation
Transportation Statistics Office

2003 Peak Season Factor Category Report

BAY,URBAN
Category: 4602

MOCF = 0.99

	Week	Dates	SF	PSCF
	1	01/01/2003 - 01/04/2003	0.96	0.97
	2	01/05/2003 - 01/11/2003	1.00	1.01
	3	01/12/2003 - 01/18/2003	1.05	1.06
	4	01/19/2003 - 01/25/2003	1.03	1.04
	5	01/26/2003 - 02/01/2003	1.01	1.02
	6	02/02/2003 - 02/08/2003	1.00	1.01
	7	02/09/2003 - 02/15/2003	0.98	0.99
	8	02/16/2003 - 02/22/2003	0.98	0.99
	9	02/23/2003 - 03/01/2003	0.98	0.99
	10	03/02/2003 - 03/08/2003	0.98	0.99
	11	03/09/2003 - 03/15/2003	0.98	0.99
	12	03/16/2003 - 03/22/2003	0.99	1.00
	13	03/23/2003 - 03/29/2003	0.99	1.00
	14	03/30/2003 - 04/05/2003	0.99	1.00
	15	04/06/2003 - 04/12/2003	0.99	1.00
	16	04/13/2003 - 04/19/2003	1.00	1.01
	17	04/20/2003 - 04/26/2003	1.00	1.01
	18	04/27/2003 - 05/03/2003	1.00	1.01
	19	05/04/2003 - 05/10/2003	1.00	1.01
	20	05/11/2003 - 05/17/2003	1.01	1.02
	21	05/18/2003 - 05/24/2003	1.01	1.02
	22	05/25/2003 - 05/31/2003	1.01	1.02
	23	06/01/2003 - 06/07/2003	1.01	1.02
	24	06/08/2003 - 06/14/2003	1.01	1.02
	25	06/15/2003 - 06/21/2003	1.01	1.02
	26	06/22/2003 - 06/28/2003	1.01	1.02
	27	06/29/2003 - 07/05/2003	1.01	1.02
	28	07/06/2003 - 07/12/2003	1.01	1.02
	29	07/13/2003 - 07/19/2003	1.01	1.02
	30	07/20/2003 - 07/26/2003	1.01	1.02
	31	07/27/2003 - 08/02/2003	1.01	1.02
	32	08/03/2003 - 08/09/2003	1.01	1.02
	33	08/10/2003 - 08/16/2003	1.00	1.01
	34	08/17/2003 - 08/23/2003	1.01	1.02
	35	08/24/2003 - 08/30/2003	1.01	1.02
	36	08/31/2003 - 09/06/2003	1.02	1.03
	37	09/07/2003 - 09/13/2003	1.02	1.03
	38	09/14/2003 - 09/20/2003	1.02	1.03
	39	09/21/2003 - 09/27/2003	1.02	1.03
*	40	09/28/2003 - 10/04/2003	1.01	1.02
*	41	10/05/2003 - 10/11/2003	1.00	1.01
*	42	10/12/2003 - 10/18/2003	0.99	1.00
*	43	10/19/2003 - 10/25/2003	0.99	1.00
*	44	10/26/2003 - 11/01/2003	0.99	1.00
*	45	11/02/2003 - 11/08/2003	0.99	1.00
*	46	11/09/2003 - 11/15/2003	0.99	1.00
*	47	11/16/2003 - 11/22/2003	0.99	1.00
*	48	11/23/2003 - 11/29/2003	0.98	0.99
*	49	11/30/2003 - 12/06/2003	0.97	0.98
*	50	12/07/2003 - 12/13/2003	0.96	0.97
*	51	12/14/2003 - 12/20/2003	0.96	0.97
*	52	12/21/2003 - 12/27/2003	1.00	1.01
	53	12/28/2003 - 12/31/2003	1.05	1.06

Note: "*" indicates peak season week

Florida Department of Transportation
Transportation Statistics Office

2003 Peak Season Factor Category Report

BAY, US231
Category: 4603

MOCF = 0.85

	Week	Dates	SF	PSCF
	1	01/01/2003 - 01/04/2003	1.13	1.33
	2	01/05/2003 - 01/11/2003	1.21	1.42
	3	01/12/2003 - 01/18/2003	1.29	1.52
	4	01/19/2003 - 01/25/2003	1.26	1.48
	5	01/26/2003 - 02/01/2003	1.24	1.46
	6	02/02/2003 - 02/08/2003	1.22	1.44
	7	02/09/2003 - 02/15/2003	1.19	1.40
	8	02/16/2003 - 02/22/2003	1.13	1.33
	9	02/23/2003 - 03/01/2003	1.07	1.26
	10	03/02/2003 - 03/08/2003	1.00	1.18
	11	03/09/2003 - 03/15/2003	0.94	1.11
	12	03/16/2003 - 03/22/2003	0.94	1.11
	13	03/23/2003 - 03/29/2003	0.94	1.11
	14	03/30/2003 - 04/05/2003	0.94	1.11
	15	04/06/2003 - 04/12/2003	0.94	1.11
	16	04/13/2003 - 04/19/2003	0.94	1.11
	17	04/20/2003 - 04/26/2003	0.93	1.09
	18	04/27/2003 - 05/03/2003	0.91	1.07
	19	05/04/2003 - 05/10/2003	0.90	1.06
*	20	05/11/2003 - 05/17/2003	0.88	1.04
*	21	05/18/2003 - 05/24/2003	0.88	1.04
*	22	05/25/2003 - 05/31/2003	0.87	1.02
*	23	06/01/2003 - 06/07/2003	0.86	1.01
*	24	06/08/2003 - 06/14/2003	0.86	1.01
*	25	06/15/2003 - 06/21/2003	0.85	1.00
*	26	06/22/2003 - 06/28/2003	0.84	0.99
*	27	06/29/2003 - 07/05/2003	0.83	0.98
*	28	07/06/2003 - 07/12/2003	0.82	0.96
*	29	07/13/2003 - 07/19/2003	0.81	0.95
*	30	07/20/2003 - 07/26/2003	0.84	0.99
*	31	07/27/2003 - 08/02/2003	0.87	1.02
*	32	08/03/2003 - 08/09/2003	0.90	1.06
	33	08/10/2003 - 08/16/2003	0.93	1.09
	34	08/17/2003 - 08/23/2003	0.96	1.13
	35	08/24/2003 - 08/30/2003	0.99	1.16
	36	08/31/2003 - 09/06/2003	1.02	1.20
	37	09/07/2003 - 09/13/2003	1.05	1.24
	38	09/14/2003 - 09/20/2003	1.09	1.28
	39	09/21/2003 - 09/27/2003	1.08	1.27
	40	09/28/2003 - 10/04/2003	1.08	1.27
	41	10/05/2003 - 10/11/2003	1.07	1.26
	42	10/12/2003 - 10/18/2003	1.07	1.26
	43	10/19/2003 - 10/25/2003	1.08	1.27
	44	10/26/2003 - 11/01/2003	1.09	1.28
	45	11/02/2003 - 11/08/2003	1.10	1.29
	46	11/09/2003 - 11/15/2003	1.11	1.31
	47	11/16/2003 - 11/22/2003	1.12	1.32
	48	11/23/2003 - 11/29/2003	1.12	1.32
	49	11/30/2003 - 12/06/2003	1.13	1.33
	50	12/07/2003 - 12/13/2003	1.13	1.33
	51	12/14/2003 - 12/20/2003	1.13	1.33
	52	12/21/2003 - 12/27/2003	1.21	1.42
	53	12/28/2003 - 12/31/2003	1.29	1.52

Note: "*" indicates peak season week

Florida Department of Transportation
Transportation Statistics Office

2003 Peak Season Factor Category Report

BAY, US98
Category: 4698

MOCF = 0.91

	Week	Dates	SF	PSCF
	1	01/01/2003 - 01/04/2003	1.13	1.24
	2	01/05/2003 - 01/11/2003	1.18	1.30
	3	01/12/2003 - 01/18/2003	1.22	1.34
	4	01/19/2003 - 01/25/2003	1.19	1.31
	5	01/26/2003 - 02/01/2003	1.15	1.26
	6	02/02/2003 - 02/08/2003	1.11	1.22
	7	02/09/2003 - 02/15/2003	1.08	1.19
	8	02/16/2003 - 02/22/2003	1.06	1.16
	9	02/23/2003 - 03/01/2003	1.03	1.13
	10	03/02/2003 - 03/08/2003	1.01	1.11
	11	03/09/2003 - 03/15/2003	0.99	1.09
	12	03/16/2003 - 03/22/2003	0.98	1.08
	13	03/23/2003 - 03/29/2003	0.98	1.08
	14	03/30/2003 - 04/05/2003	0.98	1.08
	15	04/06/2003 - 04/12/2003	0.97	1.07
	16	04/13/2003 - 04/19/2003	0.97	1.07
	17	04/20/2003 - 04/26/2003	0.96	1.05
	18	04/27/2003 - 05/03/2003	0.95	1.04
	19	05/04/2003 - 05/10/2003	0.94	1.03
	20	05/11/2003 - 05/17/2003	0.94	1.03
*	21	05/18/2003 - 05/24/2003	0.93	1.02
*	22	05/25/2003 - 05/31/2003	0.92	1.01
*	23	06/01/2003 - 06/07/2003	0.92	1.01
*	24	06/08/2003 - 06/14/2003	0.91	1.00
*	25	06/15/2003 - 06/21/2003	0.90	0.99
*	26	06/22/2003 - 06/28/2003	0.90	0.99
*	27	06/29/2003 - 07/05/2003	0.89	0.98
*	28	07/06/2003 - 07/12/2003	0.88	0.97
*	29	07/13/2003 - 07/19/2003	0.88	0.97
*	30	07/20/2003 - 07/26/2003	0.89	0.98
*	31	07/27/2003 - 08/02/2003	0.91	1.00
*	32	08/03/2003 - 08/09/2003	0.93	1.02
*	33	08/10/2003 - 08/16/2003	0.94	1.03
	34	08/17/2003 - 08/23/2003	0.96	1.05
	35	08/24/2003 - 08/30/2003	0.98	1.08
	36	08/31/2003 - 09/06/2003	1.00	1.10
	37	09/07/2003 - 09/13/2003	1.02	1.12
	38	09/14/2003 - 09/20/2003	1.04	1.14
	39	09/21/2003 - 09/27/2003	1.03	1.13
	40	09/28/2003 - 10/04/2003	1.03	1.13
	41	10/05/2003 - 10/11/2003	1.03	1.13
	42	10/12/2003 - 10/18/2003	1.02	1.12
	43	10/19/2003 - 10/25/2003	1.04	1.14
	44	10/26/2003 - 11/01/2003	1.06	1.16
	45	11/02/2003 - 11/08/2003	1.08	1.19
	46	11/09/2003 - 11/15/2003	1.10	1.21
	47	11/16/2003 - 11/22/2003	1.11	1.22
	48	11/23/2003 - 11/29/2003	1.11	1.22
	49	11/30/2003 - 12/06/2003	1.12	1.23
	50	12/07/2003 - 12/13/2003	1.13	1.24
	51	12/14/2003 - 12/20/2003	1.13	1.24
	52	12/21/2003 - 12/27/2003	1.18	1.30
	53	12/28/2003 - 12/31/2003	1.22	1.34

Note: "*" indicates peak season week

APPENDIX B

TRAFFIC DATA

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Harrison Ave S Of Beach Dr
County: Bay
Start Date: 1-Mar-05
Station #: 2203
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	2	3	2	1	8	1	2	2	0	5	13
1:00	0	0	0	4	4	0	1	1	2	4	8
2:00	0	0	1	0	1	0	1	0	0	1	2
3:00	1	0	0	0	1	0	0	0	1	1	2
4:00	0	0	2	1	3	0	1	2	1	4	7
5:00	4	1	2	4	11	3	0	2	6	11	22
6:00	3	2	11	10	26	2	3	10	17	32	58
7:00	12	6	11	22	51	11	14	31	25	81	132
8:00	15	19	22	13	69	22	33	27	32	114	183
9:00	31	27	31	22	111	35	39	19	31	124	235
10:00	35	33	44	23	135	45	47	35	31	158	293
11:00	42	36	42	29	149	41	31	33	42	147	296
12:00	46	37	35	46	164	54	50	44	46	194	358
13:00	45	36	29	31	141	37	45	32	42	156	297
14:00	35	42	40	49	166	47	38	59	44	188	354
15:00	33	41	42	28	144	38	53	53	39	183	327
16:00	30	32	28	39	129	43	54	54	84	235	364
17:00	36	25	38	40	139	77	79	70	56	282	421
18:00	41	59	52	51	203	43	19	18	10	90	293
19:00	52	34	70	26	182	13	14	7	13	47	229
20:00	33	19	13	13	78	14	6	7	7	34	112
21:00	5	7	2	2	16	5	4	3	4	16	32
22:00	5	4	1	4	14	7	2	1	2	12	26
23:00	0	2	1	2	5	2	2	1	2	7	12
Total					1950					2126	4076

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1130	154
P.M	1815	214
Daily	1815	214

	Direction:	Southbound
	Hour	Volume
A.M	1145	190
P.M	1645	310
Daily	1645	310

	Direction:	Combined
	Hour	Volume
A.M	1145	337
P.M	1645	448
Daily	1645	448

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Harrison Ave S Of Beach Dr
County: Bay
Start Date: 2-Mar-05
Station #: 2203
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	2	2	0	0	4	2	2	0	0	4	8
1:00	2	0	0	0	2	5	0	0	0	5	7
2:00	1	0	2	1	4	2	0	0	0	2	6
3:00	0	0	0	0	0	1	0	0	0	1	1
4:00	0	1	3	1	5	0	1	0	3	4	9
5:00	1	2	1	4	8	1	1	2	7	11	19
6:00	3	12	9	14	38	3	6	5	15	29	67
7:00	11	4	12	22	49	11	10	23	45	89	138
8:00	14	15	14	17	60	16	24	24	26	90	150
9:00	30	27	34	24	115	19	31	44	35	129	244
10:00	22	29	38	26	115	29	45	37	42	153	268
11:00	45	29	29	52	155	44	21	43	54	162	317
12:00	41	35	40	38	154	43	42	43	50	178	332
13:00	39	41	37	37	154	34	38	46	38	156	310
14:00	37	38	28	30	133	38	40	38	36	152	285
15:00	42	32	37	37	148	40	44	45	46	175	323
16:00	26	24	29	27	106	26	37	27	21	111	217
17:00	35	19	25	17	96	29	23	25	22	99	195
18:00	18	18	19	4	59	21	8	16	11	56	115
19:00	11	15	4	16	46	10	12	2	15	39	85
20:00	10	7	6	4	27	7	7	5	4	23	50
21:00	8	6	7	2	23	8	7	2	4	21	44
22:00	0	2	5	4	11	5	3	6	2	16	27
23:00	1	2	0	0	3	3	2	1	0	6	9
Total					1515					1711	3226

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1145	168
P.M	1230	158
Daily	1145	168

	Direction:	Southbound
	Hour	Volume
A.M	1130	182
P.M	1200	178
Daily	1130	182

	Direction:	Combined
	Hour	Volume
A.M	1145	350
P.M	1200	332
Daily	1145	350

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Harrison Ave S Of Beach Dr
County: Bay
Start Date: 3-Mar-05
Station #: 2203
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	1	0	1	1	3	0	1	1	1	3	6
1:00	1	1	2	1	5	1	2	1	0	4	9
2:00	2	0	1	1	4	1	0	2	0	3	7
3:00	0	1	0	0	1	0	1	0	0	1	2
4:00	1	2	1	0	4	1	2	1	1	5	9
5:00	1	2	1	2	6	2	2	5	6	15	21
6:00	5	6	6	8	25	3	4	4	18	29	54
7:00	16	4	16	20	56	14	18	31	45	108	164
8:00	27	25	26	18	96	27	20	27	31	105	201
9:00	19	34	25	28	106	36	30	41	24	131	237
10:00	21	26	27	29	103	23	45	36	39	143	246
11:00	37	42	17	41	137	32	29	36	51	148	285
12:00	35	31	38	25	129	29	32	34	39	134	263
13:00	38	33	32	41	144	35	40	43	34	152	296
14:00	19	24	34	29	106	33	28	39	31	131	237
15:00	32	34	24	30	120	47	38	40	31	156	276
16:00	26	22	29	24	101	28	27	21	27	103	204
17:00	35	26	2	13	76	27	18	2	11	58	134
18:00	9	17	18	27	71	25	30	42	114	211	282
19:00	25	16	6	4	51	139	69	10	9	227	278
20:00	9	9	9	10	37	4	9	8	10	31	68
21:00	9	17	6	5	37	5	4	5	7	21	58
22:00	11	14	100	30	155	5	6	21	3	35	190
23:00	24	14	4	4	46	3	2	2	0	7	53
Total					1619					1961	3580

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1145	145
P.M	2215	168
Daily	2215	168

	Direction:	Southbound
	Hour	Volume
A.M	1015	152
P.M	1830	364
Daily	1830	364

	Direction:	Combined
	Hour	Volume
A.M	1145	291
P.M	1830	450
Daily	1830	450

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Harrison Ave S Of 4th
County: Bay
Start Date: 1-Mar-05

Station #: 2401
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	4	4	6	2	16	4	2	2	1	9	25
1:00	4	3	1	4	12	3	2	1	3	9	21
2:00	1	1	1	1	4	0	0	1	0	1	5
3:00	3	0	0	0	3	0	1	0	1	2	5
4:00	2	0	0	0	2	0	3	3	1	7	9
5:00	7	0	3	1	11	5	0	3	6	14	25
6:00	8	3	19	10	40	3	6	13	17	39	79
7:00	18	14	20	25	77	15	31	44	42	132	209
8:00	23	29	43	28	123	41	43	36	50	170	293
9:00	52	40	44	41	177	39	42	46	43	170	347
10:00	59	49	59	44	211	49	55	56	48	208	419
11:00	66	72	69	56	263	54	61	49	71	235	498
12:00	61	71	67	72	271	67	64	61	55	247	518
13:00	52	60	58	48	218	60	65	46	66	237	455
14:00	50	54	67	52	223	56	48	75	54	233	456
15:00	49	55	67	41	212	50	59	58	65	232	444
16:00	38	41	46	38	163	49	61	65	87	262	425
17:00	39	31	48	43	161	87	75	58	55	275	436
18:00	40	64	40	51	195	40	24	29	23	116	311
19:00	56	35	65	33	189	18	18	13	22	71	260
20:00	39	17	17	15	88	17	12	13	16	58	146
21:00	11	8	7	9	35	10	10	5	13	38	73
22:00	6	6	7	4	23	6	1	5	1	13	36
23:00	2	5	1	3	11	6	8	4	4	22	33
Total					2728					2800	5528

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1100	263
P.M	1200	271
Daily	1200	271

	Direction:	Southbound
	Hour	Volume
A.M	1145	263
P.M	1630	314
Daily	1630	314

	Direction:	Combined
	Hour	Volume
A.M	1145	518
P.M	1200	518
Daily	1145	518

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Harrison Ave S Of 4th
County: Bay
Start Date: 2-Mar-05

Station #: 2401
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	1	2	1	9	13	0	5	1	6	12	25
1:00	4	0	1	0	5	0	0	0	1	1	6
2:00	6	0	0	1	7	3	1	0	0	4	11
3:00	2	2	0	1	5	3	0	0	1	4	9
4:00	1	5	0	1	7	2	1	0	3	6	13
5:00	4	1	2	7	14	1	3	3	5	12	26
6:00	2	14	13	14	43	3	7	13	15	38	81
7:00	25	10	18	24	77	15	19	41	54	129	206
8:00	24	23	26	37	110	33	42	42	41	158	268
9:00	36	43	62	38	179	38	48	55	48	189	368
10:00	50	42	54	45	191	54	58	40	51	203	394
11:00	56	48	44	66	214	64	30	65	62	221	435
12:00	61	53	57	57	228	53	58	64	63	238	466
13:00	53	59	62	42	216	52	57	56	49	214	430
14:00	46	65	47	45	203	54	50	53	56	213	416
15:00	52	43	49	46	190	38	49	48	58	193	383
16:00	38	51	43	49	181	31	40	32	49	152	333
17:00	57	33	25	34	149	34	36	31	39	140	289
18:00	33	22	22	15	92	26	18	28	20	92	184
19:00	15	23	8	18	64	23	26	11	18	78	142
20:00	13	14	12	8	47	17	14	11	7	49	96
21:00	15	13	20	5	53	25	13	21	8	67	120
22:00	0	3	9	4	16	7	9	11	16	43	59
23:00	5	7	0	4	16	8	18	3	7	36	52
Total					2320					2492	4812

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1145	237
P.M	1245	231
Daily	1145	237

	Direction:	Southbound
	Hour	Volume
A.M	1130	238
P.M	1200	238
Daily	1130	238

	Direction:	Combined
	Hour	Volume
A.M	1145	474
P.M	1200	466
Daily	1145	474

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Harrison Ave S Of 4th
County: Bay
Start Date: 3-Mar-05

Station #: 2401
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	1	4	1	3	9	2	2	1	6	11	20
1:00	9	4	5	1	19	2	4	3	1	10	29
2:00	7	10	3	4	24	8	3	1	1	13	37
3:00	1	3	1	5	10	1	1	2	2	6	16
4:00	3	1	3	0	7	2	1	4	1	8	15
5:00	3	3	2	6	14	1	2	3	9	15	29
6:00	6	13	10	11	40	4	8	6	21	39	79
7:00	19	12	28	34	93	29	34	43	49	155	248
8:00	31	42	32	27	132	59	41	42	36	178	310
9:00	50	57	48	53	208	35	53	62	45	195	403
10:00	30	48	52	45	175	45	69	51	58	223	398
11:00	62	52	44	67	225	57	42	68	72	239	464
12:00	65	62	59	47	233	68	58	46	60	232	465
13:00	53	68	52	45	218	55	57	61	52	225	443
14:00	47	53	56	47	203	51	45	52	58	206	409
15:00	46	58	47	32	183	69	55	56	44	224	407
16:00	41	41	44	31	157	41	38	37	48	164	321
17:00	63	43	42	43	191	42	48	40	48	178	369
18:00	38	28	26	25	117	44	39	35	113	231	348
19:00	20	24	24	18	86	115	62	24	20	221	307
20:00	21	20	16	21	78	16	18	26	25	85	163
21:00	21	24	6	12	63	15	17	15	14	61	124
22:00	14	20	133	22	189	8	8	10	8	34	223
23:00	17	15	7	6	45	5	11	7	8	31	76
Total					2719					2984	5703

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1145	253
P.M	1200	233
Daily	1145	253

	Direction:	Southbound
	Hour	Volume
A.M	1130	266
P.M	1830	325
Daily	1830	325

	Direction:	Combined
	Hour	Volume
A.M	1130	504
P.M	1200	465
Daily	1130	504

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 5th St E Of Harrison Ave
County: Bay
Start Date: 1-Mar-05

Station #: 2501
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	1	0	0	0	1	1	0	0	0	1	2
1:00	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	0	0
3:00	1	0	0	0	1	0	0	1	0	1	2
4:00	0	0	0	0	0	0	0	0	0	0	0
5:00	0	0	1	0	1	0	1	0	1	2	3
6:00	1	1	1	2	5	2	0	2	1	5	10
7:00	1	2	18	41	62	3	4	5	7	19	81
8:00	10	5	4	6	25	4	6	8	8	26	51
9:00	6	9	5	9	29	6	7	9	10	32	61
10:00	8	5	23	17	53	15	7	15	13	50	103
11:00	11	12	14	21	58	20	20	20	9	69	127
12:00	7	20	12	19	58	17	14	15	15	61	119
13:00	14	20	16	8	58	9	10	15	11	45	103
14:00	12	13	7	3	35	7	13	11	12	43	78
15:00	14	16	10	16	56	11	11	9	19	50	106
16:00	9	16	16	7	48	10	8	14	10	42	90
17:00	23	11	15	5	54	13	11	7	6	37	91
18:00	8	5	4	1	18	4	7	3	1	15	33
19:00	1	4	0	1	6	4	1	1	5	11	17
20:00	0	3	0	0	3	2	1	2	0	5	8
21:00	1	1	1	2	5	5	1	3	1	10	15
22:00	0	0	0	0	0	2	0	1	0	3	3
23:00	0	1	0	0	1	1	0	0	0	1	2
Total					577					528	1105

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	730	74
P.M	1245	69
Daily	730	74

	Direction:	Westbound
	Hour	Volume
A.M	1045	73
P.M	1200	61
Daily	1045	73

	Direction:	Combined
	Hour	Volume
A.M	1030	131
P.M	1200	119
Daily	1030	131

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 5th St E Of Harrison Ave
County: Bay
Start Date: 2-Mar-05

Station #: 2501
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	0	0	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	0	0	0	0
2:00	1	0	0	0	1	0	0	0	0	0	1
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	1	0	1	1
5:00	2	0	3	0	5	0	0	1	2	3	8
6:00	1	3	0	3	7	1	1	4	4	10	17
7:00	2	1	5	6	14	1	6	5	8	20	34
8:00	5	5	6	5	21	8	4	4	6	22	43
9:00	8	11	6	9	34	10	7	6	6	29	63
10:00	5	12	13	6	36	5	7	2	1	15	51
11:00	10	13	18	18	59	9	15	15	12	51	110
12:00	17	14	19	16	66	12	11	10	14	47	113
13:00	20	11	12	14	57	24	13	16	13	66	123
14:00	15	15	9	10	49	10	12	8	7	37	86
15:00	8	5	12	8	33	8	7	8	8	31	64
16:00	15	10	8	14	47	11	10	4	6	31	78
17:00	17	15	13	10	55	10	12	6	8	36	91
18:00	8	1	3	3	15	5	2	3	1	11	26
19:00	2	1	1	3	7	1	3	2	1	7	14
20:00	1	0	2	0	3	2	0	5	1	8	11
21:00	0	0	1	2	3	9	1	5	0	15	18
22:00	0	1	0	0	1	0	0	0	0	0	1
23:00	0	0	0	0	0	1	0	1	0	2	2
Total					513					442	955

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	68
P.M	1215	69
Daily	1215	69

	Direction:	Westbound
	Hour	Volume
A.M	1115	54
P.M	1245	67
Daily	1245	67

	Direction:	Combined
	Hour	Volume
A.M	1115	120
P.M	1215	128
Daily	1215	128

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 5th St E Of Harrison Ave
County: Bay
Start Date: 3-Mar-05

Station #: 2501
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	0	0	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	1	0	1	1
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	0	0	0	0
5:00	0	0	2	2	4	0	1	0	1	2	6
6:00	0	0	0	1	1	0	2	1	0	3	4
7:00	2	1	6	6	15	5	2	4	13	24	39
8:00	3	4	5	4	16	10	4	11	7	32	48
9:00	5	11	16	5	37	13	11	9	11	44	81
10:00	6	13	8	16	43	11	12	9	8	40	83
11:00	13	19	12	19	63	12	21	7	14	54	117
12:00	23	12	12	6	53	17	10	15	15	57	110
13:00	12	13	12	16	53	13	19	16	10	58	111
14:00	19	16	7	13	55	16	8	11	8	43	98
15:00	22	20	13	12	67	10	11	12	7	40	107
16:00	11	6	12	15	44	11	7	7	12	37	81
17:00	21	10	17	5	53	12	16	7	7	42	95
18:00	2	8	3	2	15	7	4	3	5	19	34
19:00	3	0	1	1	5	3	2	2	2	9	14
20:00	1	3	3	2	9	1	4	3	2	10	19
21:00	4	3	0	0	7	3	3	0	2	8	15
22:00	0	2	2	0	4	1	0	1	1	3	7
23:00	0	1	0	0	1	4	0	0	0	4	5
Total					545					530	1075

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1115	73
P.M	1445	68
Daily	1115	73

	Direction:	Westbound
	Hour	Volume
A.M	1115	59
P.M	1245	63
Daily	1245	63

	Direction:	Combined
	Hour	Volume
A.M	1115	132
P.M	1315	121
Daily	1115	132

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 5th St E Of Jenks Ave
County: Bay
Start Date: 1-Mar-05

Station #: 2601
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	1	0	0	0	1	1	0	0	0	1	2
1:00	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	0	0
3:00	0	1	0	0	1	0	0	0	0	0	1
4:00	1	0	1	0	2	0	0	0	0	0	2
5:00	0	4	0	3	7	0	0	1	2	3	10
6:00	0	0	4	5	9	1	1	2	0	4	13
7:00	5	8	23	27	63	7	4	24	23	58	121
8:00	13	19	15	22	69	7	17	13	13	50	119
9:00	20	14	18	22	74	12	23	14	19	68	142
10:00	19	14	16	28	77	13	15	28	24	80	157
11:00	22	25	20	34	101	8	18	22	33	81	182
12:00	22	28	27	42	119	16	20	25	15	76	195
13:00	29	19	13	19	80	25	24	15	18	82	162
14:00	21	20	21	12	74	22	17	16	14	69	143
15:00	22	16	16	18	72	18	17	19	20	74	146
16:00	13	21	32	26	92	20	17	26	32	95	187
17:00	17	13	9	4	43	39	18	14	15	86	129
18:00	5	7	8	3	23	8	4	0	6	18	41
19:00	0	4	3	1	8	4	3	1	1	9	17
20:00	1	0	3	2	6	3	2	2	0	7	13
21:00	1	0	1	2	4	4	0	2	1	7	11
22:00	4	1	1	0	6	3	0	1	0	4	10
23:00	0	1	1	0	2	0	0	0	0	0	2
Total					933					872	1805

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	111
P.M	1215	126
Daily	1215	126

	Direction:	Westbound
	Hour	Volume
A.M	1145	94
P.M	1630	115
Daily	1630	115

	Direction:	Combined
	Hour	Volume
A.M	1145	205
P.M	1215	211
Daily	1215	211

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 5th St E Of Jenks Ave
County: Bay
Start Date: 2-Mar-05

Station #: 2601
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	1	0	1	0	0	0	0	0	1
1:00	1	0	0	0	1	0	0	0	0	0	1
2:00	0	0	0	1	1	1	1	0	0	2	3
3:00	0	0	0	1	1	0	0	0	0	0	1
4:00	0	1	0	1	2	0	0	0	0	0	2
5:00	2	0	2	1	5	1	0	2	1	4	9
6:00	1	3	4	6	14	0	4	1	3	8	22
7:00	2	6	17	23	48	4	4	5	4	17	65
8:00	19	19	11	14	63	19	4	15	12	50	113
9:00	22	11	21	22	76	11	16	12	26	65	141
10:00	16	15	16	7	54	17	14	14	14	59	113
11:00	20	14	24	21	79	17	22	14	24	77	156
12:00	23	20	19	12	74	20	17	15	20	72	146
13:00	21	23	14	23	81	29	16	23	16	84	165
14:00	18	14	12	22	66	27	24	14	14	79	145
15:00	8	22	25	11	66	16	25	17	21	79	145
16:00	19	28	12	20	79	16	14	19	39	88	167
17:00	16	12	8	9	45	33	21	20	13	87	132
18:00	6	4	5	3	18	7	8	3	0	18	36
19:00	1	4	1	2	8	2	4	2	5	13	21
20:00	2	5	5	1	13	3	3	2	1	9	22
21:00	1	0	4	0	5	3	0	2	3	8	13
22:00	3	2	0	1	6	2	2	0	0	4	10
23:00	0	2	0	0	2	0	3	0	0	3	5
Total					808					826	1634

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1130	88
P.M	1530	83
Daily	1130	88

	Direction:	Westbound
	Hour	Volume
A.M	1115	80
P.M	1645	113
Daily	1645	113

	Direction:	Combined
	Hour	Volume
A.M	1130	163
P.M	1615	181
Daily	1615	181

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 5th St E Of Jenks Ave
County: Bay
Start Date: 3-Mar-05

Station #: 2601
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	0	0	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	1	0	0	0	1	1
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	0	0	0	0
5:00	0	1	0	2	3	1	0	2	3	6	9
6:00	3	2	0	5	10	1	2	3	0	6	16
7:00	9	8	20	33	70	3	7	5	9	24	94
8:00	30	19	15	17	81	6	10	13	10	39	120
9:00	21	21	17	19	78	11	20	16	17	64	142
10:00	27	19	18	20	84	23	19	12	22	76	160
11:00	20	29	28	20	97	31	22	19	31	103	200
12:00	21	18	21	19	79	22	18	16	17	73	152
13:00	21	27	20	21	89	21	17	22	30	90	179
14:00	23	23	23	22	91	15	17	13	15	60	151
15:00	18	19	20	23	80	21	18	26	23	88	168
16:00	14	14	10	19	57	14	11	16	24	65	122
17:00	15	17	7	7	46	27	14	14	6	61	107
18:00	5	5	7	3	20	6	5	6	4	21	41
19:00	4	3	1	1	9	8	0	3	4	15	24
20:00	2	2	5	4	13	5	5	4	1	15	28
21:00	5	0	2	2	9	3	2	2	1	8	17
22:00	1	1	1	1	4	3	1	8	0	12	16
23:00	1	1	0	1	3	1	1	0	0	2	5
Total					923					829	1752

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	730	102
P.M	1315	91
Daily	730	102

	Direction:	Westbound
	Hour	Volume
A.M	1100	103
P.M	1300	90
Daily	1100	103

	Direction:	Combined
	Hour	Volume
A.M	1100	200
P.M	1300	179
Daily	1100	200

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Harrison Ave N Of 6th St
County: Bay
Start Date: 8-Mar-05

Station #: 2801
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	6	5	1	3	15	1	3	3	2	9	24
1:00	3	1	2	1	7	2	4	5	2	13	20
2:00	2	2	3	2	9	4	2	2	6	14	23
3:00	0	2	6	2	10	2	3	4	0	9	19
4:00	4	0	3	7	14	2	2	2	7	13	27
5:00	5	10	7	8	30	3	6	9	9	27	57
6:00	21	14	19	24	78	18	27	38	41	124	202
7:00	47	59	58	52	216	46	67	99	111	323	539
8:00	64	47	44	61	216	97	72	77	59	305	521
9:00	69	55	74	72	270	75	57	69	99	300	570
10:00	71	81	97	92	341	111	111	82	73	377	718
11:00	102	100	101	111	414	100	104	100	93	397	811
12:00	101	80	94	110	385	114	94	115	127	450	835
13:00	110	93	107	88	398	96	92	103	96	387	785
14:00	114	117	88	87	406	73	94	85	99	351	757
15:00	72	89	87	100	348	93	90	77	92	352	700
16:00	91	94	89	94	368	89	88	83	84	344	712
17:00	101	72	75	63	311	81	64	50	53	248	559
18:00	61	51	27	42	181	47	52	40	44	183	364
19:00	38	26	32	29	125	36	33	29	16	114	239
20:00	22	27	20	20	89	22	15	20	19	76	165
21:00	20	16	18	8	62	12	13	18	11	54	116
22:00	17	18	8	10	53	9	20	11	4	44	97
23:00	7	8	7	5	27	6	12	6	5	29	56
Total					4373					4543	8916

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1100	414
P.M	1330	426
Daily	1330	426

	Direction:	Southbound
	Hour	Volume
A.M	1145	416
P.M	1200	450
Daily	1200	450

	Direction:	Combined
	Hour	Volume
A.M	1115	824
P.M	1245	838
Daily	1245	838

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Harrison Ave N Of 6th St
County: Bay
Start Date: 9-Mar-05
Station #: 2801
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	12	5	7	3	27	11	8	6	6	31	58
1:00	4	2	8	2	16	5	5	5	1	16	32
2:00	1	8	4	2	15	3	0	7	0	10	25
3:00	4	5	3	3	15	3	2	2	5	12	27
4:00	3	7	3	3	16	0	1	5	6	12	28
5:00	4	7	8	6	25	0	7	15	14	36	61
6:00	29	22	25	25	101	12	22	35	28	97	198
7:00	33	59	53	60	205	57	64	78	89	288	493
8:00	69	51	61	59	240	83	89	66	82	320	560
9:00	58	71	81	65	275	72	73	71	79	295	570
10:00	71	86	92	82	331	84	91	75	83	333	664
11:00	103	94	96	87	380	98	91	100	101	390	770
12:00	97	100	100	101	398	96	124	123	119	462	860
13:00	83	103	91	107	384	114	116	103	85	418	802
14:00	105	101	84	90	380	102	66	107	97	372	752
15:00	80	88	78	84	330	78	68	87	60	293	623
16:00	92	74	89	69	324	80	76	67	63	286	610
17:00	102	66	67	40	275	69	57	65	46	237	512
18:00	63	45	34	32	174	57	58	32	39	186	360
19:00	32	49	27	34	142	44	42	30	21	137	279
20:00	39	13	29	21	102	22	20	21	25	88	190
21:00	26	19	17	20	82	23	16	19	18	76	158
22:00	17	13	13	8	51	19	10	10	12	51	102
23:00	9	8	11	7	35	13	9	7	2	31	66
Total					4323					4477	8800

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1145	384
P.M	1315	406
Daily	1315	406

	Direction:	Southbound
	Hour	Volume
A.M	1145	444
P.M	1215	480
Daily	1215	480

	Direction:	Combined
	Hour	Volume
A.M	1145	828
P.M	1215	864
Daily	1215	864

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Harrison Ave N Of 6th St
County: Bay
Start Date: 10-Mar-05
Station #: 2801
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	9	6	5	2	22	6	1	7	4	18	40
1:00	2	5	1	1	9	3	4	3	3	13	22
2:00	4	4	4	0	12	2	3	4	2	11	23
3:00	1	1	2	1	5	1	1	1	4	7	12
4:00	7	0	5	4	16	3	1	4	3	11	27
5:00	5	10	9	17	41	1	14	12	10	37	78
6:00	14	25	31	28	98	15	23	23	47	108	206
7:00	34	66	60	75	235	42	72	89	101	304	539
8:00	53	58	59	75	245	86	85	70	91	332	577
9:00	76	72	84	89	321	69	86	80	80	315	636
10:00	60	84	82	83	309	86	73	75	93	327	636
11:00	96	89	103	108	396	114	84	95	98	391	787
12:00	113	92	114	95	414	109	114	101	113	437	851
13:00	91	93	87	109	380	103	105	97	88	393	773
14:00	109	121	101	100	431	91	93	90	81	355	786
15:00	84	96	103	98	381	97	96	84	64	341	722
16:00	86	77	90	88	341	86	73	72	70	301	642
17:00	95	86	66	48	295	65	73	70	50	258	553
18:00	52	40	51	38	181	65	48	40	53	206	387
19:00	32	39	25	23	119	34	38	34	23	129	248
20:00	21	32	31	24	108	28	29	14	16	87	195
21:00	20	14	21	20	75	18	16	21	14	69	144
22:00	11	12	18	13	54	9	13	9	8	39	93
23:00	14	8	9	7	38	14	10	1	3	28	66
Total					4526					4517	9043

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1145	427
P.M	1345	440
Daily	1345	440

	Direction:	Southbound
	Hour	Volume
A.M	1145	422
P.M	1200	437
Daily	1200	437

	Direction:	Combined
	Hour	Volume
A.M	1145	849
P.M	1200	851
Daily	1200	851

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Harrison Ave S Of 6th St
County: Bay
Start Date: 8-Mar-05
Station #: 2802
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	1	1	3	3	8	1	0	4	3	8	16
1:00	2	0	0	2	4	0	3	3	1	7	11
2:00	4	0	1	2	7	0	1	2	2	5	12
3:00	1	1	1	0	3	1	0	2	0	3	6
4:00	0	0	1	0	1	2	0	2	1	5	6
5:00	3	2	2	5	12	3	1	4	10	18	30
6:00	10	8	15	8	41	9	9	7	15	40	81
7:00	10	26	21	19	76	24	26	48	57	155	231
8:00	26	27	31	35	119	40	51	40	73	204	323
9:00	32	50	56	57	195	58	57	51	73	239	434
10:00	54	46	62	67	229	70	44	75	69	258	487
11:00	50	61	64	59	234	80	77	74	97	328	562
12:00	70	49	54	64	237	92	69	88	109	358	595
13:00	64	56	58	57	235	81	80	68	67	296	531
14:00	68	62	50	53	233	59	69	60	77	265	498
15:00	49	60	47	69	225	78	69	51	72	270	495
16:00	59	58	36	52	205	59	65	50	52	226	431
17:00	67	48	39	45	199	40	34	45	38	157	356
18:00	33	36	19	23	111	26	29	29	32	116	227
19:00	26	10	22	22	80	26	21	19	11	77	157
20:00	12	17	12	19	60	7	13	16	8	44	104
21:00	14	9	7	5	35	11	6	11	8	36	71
22:00	14	14	6	5	39	8	7	5	3	23	62
23:00	6	7	4	3	20	3	10	4	1	18	38
Total					2608					3156	5764

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1115	254
P.M	1330	245
Daily	1115	254

	Direction:	Southbound
	Hour	Volume
A.M	1145	346
P.M	1200	358
Daily	1200	358

	Direction:	Combined
	Hour	Volume
A.M	1115	594
P.M	1230	596
Daily	1230	596

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Harrison Ave S Of 6th St
County: Bay
Start Date: 9-Mar-05

Station #: 2802
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	6	4	0	2	12	1	1	0	3	5	17
1:00	1	1	3	1	6	1	2	3	0	6	12
2:00	1	2	1	0	4	1	0	2	0	3	7
3:00	0	2	4	2	8	1	3	0	2	6	14
4:00	1	0	1	2	4	1	1	1	1	4	8
5:00	6	3	1	7	17	3	4	0	4	11	28
6:00	11	9	10	13	43	5	11	17	20	53	96
7:00	20	15	20	22	77	25	39	52	59	175	252
8:00	34	28	35	41	138	57	55	44	52	208	346
9:00	51	36	48	41	176	56	38	49	64	207	383
10:00	59	46	56	70	231	62	86	66	62	276	507
11:00	63	57	65	72	257	85	93	66	70	314	571
12:00	68	55	58	55	236	83	95	90	102	370	606
13:00	54	47	59	52	212	82	92	102	73	349	561
14:00	55	46	50	51	202	72	69	68	58	267	469
15:00	62	51	58	50	221	58	41	65	52	216	437
16:00	56	49	51	41	197	45	50	38	46	179	376
17:00	62	40	51	22	175	43	36	33	37	149	324
18:00	27	26	22	23	98	32	30	25	25	112	210
19:00	14	21	20	22	77	17	36	31	17	101	178
20:00	24	9	25	19	77	8	15	18	4	45	122
21:00	20	11	14	16	61	15	10	10	11	46	107
22:00	8	5	4	6	23	7	9	10	4	30	53
23:00	6	5	5	6	22	4	5	3	0	12	34
Total					2574					3144	5718

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1115	262
P.M	1200	236
Daily	1115	262

	Direction:	Southbound
	Hour	Volume
A.M	1145	338
P.M	1245	378
Daily	1245	378

	Direction:	Combined
	Hour	Volume
A.M	1145	591
P.M	1200	606
Daily	1200	606

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St W. of Harrison Avenue
County: Bay
Start Date: 8-Mar-05
Station #: 2803
Start Time: 0:00

Time	Eastbound 1st	2nd	3rd	4th	Hour Tot.	Westbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	4	11	8	3	26	7	3	4	4	18	44
1:00	3	6	3	2	14	8	2	0	0	10	24
2:00	3	1	3	1	8	3	4	5	3	15	23
3:00	4	2	0	3	9	2	5	5	4	16	25
4:00	5	1	6	5	17	4	4	6	16	30	47
5:00	8	10	15	25	58	16	18	26	41	101	159
6:00	38	57	61	79	235	60	70	88	112	330	565
7:00	81	89	88	107	365	115	165	194	183	657	1022
8:00	102	81	81	79	343	115	106	104	90	415	758
9:00	70	92	70	75	307	102	107	94	118	421	728
10:00	70	88	83	87	328	81	101	97	80	359	687
11:00	91	103	93	120	407	97	93	127	133	450	857
12:00	120	95	101	105	421	127	111	114	107	459	880
13:00	101	111	104	101	417	114	114	91	93	412	829
14:00	106	100	92	106	404	109	121	127	114	471	875
15:00	126	119	127	119	491	123	108	100	116	447	938
16:00	143	136	126	143	548	127	138	123	112	500	1048
17:00	170	118	102	102	492	143	112	89	86	430	922
18:00	72	84	54	52	262	85	68	55	43	251	513
19:00	49	42	27	32	150	48	40	45	35	168	318
20:00	38	42	18	25	123	29	27	19	23	98	221
21:00	28	37	25	11	101	23	15	9	13	60	161
22:00	15	12	21	13	61	14	24	6	14	58	119
23:00	8	8	10	3	29	6	11	8	5	30	59
Total					5616					6206	11822

Peak Hour Summary

	Direction: Eastbound	
	Hour	Volume
A.M	1115	436
P.M	1615	575
Daily	1615	575

	Direction: Westbound	
	Hour	Volume
A.M	700	657
P.M	1615	516
Daily	700	657

	Direction: Combined	
	Hour	Volume
A.M	715	1043
P.M	1615	1091
Daily	1615	1091

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St W. of Harrison Avenue
County: Bay
Start Date: 9-Mar-05
Station #: 2803
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	7	8	3	7	25	8	5	6	4	23	48
1:00	6	4	3	3	16	6	3	5	4	18	34
2:00	4	2	2	4	12	2	2	4	5	13	25
3:00	0	3	1	1	5	3	3	2	4	12	17
4:00	6	3	3	11	23	5	8	3	10	26	49
5:00	1	17	26	23	67	12	20	28	36	96	163
6:00	42	56	58	63	219	41	72	92	88	293	512
7:00	85	102	73	108	368	118	159	193	213	683	1051
8:00	95	66	71	64	296	121	99	103	95	418	714
9:00	72	71	60	77	280	99	88	85	83	355	635
10:00	80	94	75	80	329	110	95	93	97	395	724
11:00	105	101	110	93	409	107	106	110	112	435	844
12:00	115	92	98	107	412	97	106	106	100	409	821
13:00	102	106	124	124	456	118	89	134	94	435	891
14:00	99	120	90	107	416	100	89	117	104	410	826
15:00	101	97	100	112	410	117	107	94	118	436	846
16:00	150	130	149	128	557	116	123	107	104	450	1007
17:00	179	130	113	87	509	127	106	87	98	418	927
18:00	81	69	60	59	269	78	60	42	44	224	493
19:00	53	53	42	47	195	51	58	44	32	185	380
20:00	33	19	28	20	100	29	26	29	23	107	207
21:00	33	31	17	15	96	24	22	16	14	76	172
22:00	20	18	16	10	64	12	18	15	12	57	121
23:00	12	11	12	6	41	10	12	7	5	34	75
Total					5574					6008	11582

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1115	419
P.M	1615	586
Daily	1615	586

	Direction:	Westbound
	Hour	Volume
A.M	715	686
P.M	1545	464
Daily	715	686

	Direction:	Combined
	Hour	Volume
A.M	715	1064
P.M	1615	1047
Daily	715	1064

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St W. of Harrison Avenue
County: Bay
Station #: 2803
Start Date: 10-Mar-05
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	7	6	4	4	21	8	4	8	3	23	44
1:00	2	0	4	2	8	6	1	1	4	12	20
2:00	1	4	1	4	10	2	3	1	3	9	19
3:00	7	4	8	4	23	4	6	2	3	15	38
4:00	2	3	3	7	15	4	8	8	11	31	46
5:00	4	7	24	31	66	14	19	27	29	89	155
6:00	44	52	78	89	263	41	65	99	110	315	578
7:00	85	105	81	114	385	139	152	205	195	691	1076
8:00	100	73	81	85	339	131	105	107	116	459	798
9:00	85	87	77	69	318	113	95	93	83	384	702
10:00	83	84	75	91	333	88	105	115	88	396	729
11:00	97	104	86	101	388	110	90	104	126	430	818
12:00	94	93	103	99	389	126	105	99	96	426	815
13:00	97	104	86	105	392	101	119	96	108	424	816
14:00	129	100	85	108	422	89	111	106	124	430	852
15:00	91	115	138	120	464	128	146	123	105	502	966
16:00	135	145	136	123	539	124	113	121	150	508	1047
17:00	163	138	100	81	482	127	122	112	80	441	923
18:00	79	77	74	66	296	75	71	69	68	283	579
19:00	48	47	30	39	164	43	47	35	34	159	323
20:00	27	26	31	28	112	45	33	33	36	147	259
21:00	35	25	27	15	102	24	19	25	18	86	188
22:00	22	11	11	14	58	16	19	26	5	66	124
23:00	16	16	8	7	47	10	8	19	3	40	87
Total					5636					6366	12002

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	715	400
P.M	1615	567
Daily	1615	567

	Direction:	Westbound
	Hour	Volume
A.M	700	691
P.M	1445	521
Daily	700	691

	Direction:	Combined
	Hour	Volume
A.M	715	1083
P.M	1630	1080
Daily	715	1083

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Cove Blvd N Of 4th St
County: Bay
Start Date: 8-Mar-05
Station #: 3002
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	4	2	1	3	10	1	7	3	1	12	22
1:00	2	1	3	2	8	0	4	3	1	8	16
2:00	4	0	2	0	6	0	1	1	0	2	8
3:00	2	0	2	5	9	1	2	2	0	5	14
4:00	2	2	7	10	21	2	4	2	2	10	31
5:00	6	11	18	22	57	2	5	9	7	23	80
6:00	31	28	39	62	160	13	14	24	33	84	244
7:00	91	103	87	79	360	35	75	68	84	262	622
8:00	67	78	54	62	261	85	58	59	55	257	518
9:00	62	71	59	59	251	53	51	53	57	214	465
10:00	73	67	57	62	259	48	45	46	57	196	455
11:00	54	67	62	59	242	55	72	77	78	282	524
12:00	81	74	67	80	302	67	68	53	64	252	554
13:00	70	85	68	68	291	59	81	63	65	268	559
14:00	79	68	70	72	289	58	77	84	89	308	597
15:00	107	63	72	77	319	74	63	80	79	296	615
16:00	64	74	69	76	283	72	74	69	72	287	570
17:00	110	58	65	56	289	87	60	70	55	272	561
18:00	57	44	47	36	184	55	67	44	40	206	390
19:00	31	32	22	16	101	49	40	35	36	160	261
20:00	24	19	11	16	70	36	24	36	26	122	192
21:00	19	14	13	15	61	39	26	21	19	105	166
22:00	14	12	4	2	32	15	12	6	8	41	73
23:00	6	5	4	3	18	4	6	5	4	19	37
Total					3883					3691	7574

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	700	360
P.M	1615	329
Daily	700	360

	Direction:	Southbound
	Hour	Volume
A.M	715	312
P.M	1415	324
Daily	1415	324

	Direction:	Combined
	Hour	Volume
A.M	715	648
P.M	1415	641
Daily	715	648

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Cove Blvd N Of 4th St
County: Bay
Start Date: 9-Mar-05

Station #: 3002
Start Time: 0:00

Time	Northbound					Southbound					Combined
	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	1	3	2	0	6	8	0	5	3	16	22
1:00	0	1	1	2	4	2	3	0	1	6	10
2:00	3	4	0	1	8	2	2	2	1	7	15
3:00	1	0	6	1	8	1	0	2	2	5	13
4:00	2	3	9	12	26	1	4	0	2	7	33
5:00	5	16	12	15	48	5	2	10	10	27	75
6:00	33	34	43	62	172	6	21	17	23	67	239
7:00	65	82	80	84	311	28	70	65	95	258	569
8:00	65	79	65	57	266	72	63	37	43	215	481
9:00	51	43	63	58	215	33	51	38	47	169	384
10:00	52	48	68	69	237	45	39	47	51	182	419
11:00	65	73	65	86	289	55	66	61	65	247	536
12:00	91	62	59	72	284	65	59	74	60	258	542
13:00	73	56	63	61	253	60	64	56	68	248	501
14:00	90	64	69	75	298	58	63	85	64	270	568
15:00	86	75	71	68	300	76	74	61	53	264	564
16:00	59	58	68	73	258	81	60	71	65	277	535
17:00	84	79	53	55	271	84	87	67	48	286	557
18:00	46	54	58	45	203	43	53	39	40	175	378
19:00	29	26	21	16	92	44	32	26	40	142	234
20:00	22	24	11	13	70	31	23	30	33	117	187
21:00	13	14	7	9	43	28	24	19	20	91	134
22:00	8	9	7	11	35	13	16	10	11	50	85
23:00	8	2	3	5	18	14	3	6	8	31	49
Total					3715					3415	7130

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1115	315
P.M	1445	307
Daily	1115	315

	Direction:	Southbound
	Hour	Volume
A.M	715	302
P.M	1630	307
Daily	1630	307

	Direction:	Combined
	Hour	Volume
A.M	715	613
P.M	1630	611
Daily	715	613

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Cove Blvd N Of 4th St
County: Bay
Start Date: 10-Mar-05

Station #: 3002
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	3	3	0	0	6	6	2	5	3	16	22
1:00	2	1	1	3	7	3	4	1	2	10	17
2:00	1	2	2	0	5	2	2	5	1	10	15
3:00	1	0	1	5	7	2	1	0	1	4	11
4:00	4	5	8	8	25	7	1	3	2	13	38
5:00	8	9	18	19	54	1	3	2	14	20	74
6:00	23	21	53	59	156	13	11	21	31	76	232
7:00	86	124	93	83	386	29	76	87	107	299	685
8:00	79	65	65	45	254	65	55	44	48	212	466
9:00	52	52	66	43	213	49	48	39	42	178	391
10:00	62	53	60	66	241	49	36	47	52	184	425
11:00	69	48	82	60	259	51	61	63	61	236	495
12:00	85	49	61	48	243	49	70	68	63	250	493
13:00	62	61	77	76	276	52	61	84	59	256	532
14:00	75	82	67	63	287	56	79	87	72	294	581
15:00	75	78	78	76	307	71	70	90	90	321	628
16:00	80	60	61	74	275	73	88	68	74	303	578
17:00	87	76	71	50	284	70	77	78	60	285	569
18:00	54	56	55	30	195	67	55	37	60	219	414
19:00	37	35	32	38	142	40	38	43	27	148	290
20:00	23	21	23	18	85	51	26	23	26	126	211
21:00	17	24	11	14	66	30	27	22	18	97	163
22:00	10	8	5	5	28	10	17	9	10	46	74
23:00	5	7	2	3	17	13	9	7	6	35	52
Total					3818					3638	7456

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	700	386
P.M	1515	312
Daily	700	386

	Direction:	Southbound
	Hour	Volume
A.M	715	335
P.M	1530	341
Daily	1530	341

	Direction:	Combined
	Hour	Volume
A.M	715	714
P.M	1515	635
Daily	715	714

HSA Consulting Group, Inc.

1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St W Of Harrison Ave
County: Bay
Start Date: 8-Mar-05

Station #: 3108
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	0	0	0	0	2	1	1	4	4
1:00	0	0	0	0	0	0	0	0	1	1	1
2:00	0	0	0	0	0	0	0	1	1	2	2
3:00	0	0	0	0	0	1	1	0	1	3	3
4:00	2	1	1	1	5	0	0	1	1	2	7
5:00	0	3	2	6	11	4	1	1	1	7	18
6:00	5	12	14	13	44	4	8	14	21	47	91
7:00	13	30	36	23	102	15	44	54	39	152	254
8:00	22	22	18	19	81	36	23	33	35	127	208
9:00	19	16	20	18	73	18	12	32	25	87	160
10:00	11	15	21	21	68	27	19	14	25	85	153
11:00	19	32	34	29	114	35	33	30	26	124	238
12:00	41	28	26	35	130	36	27	27	44	134	264
13:00	30	24	28	23	105	27	30	32	24	113	218
14:00	30	27	23	24	104	27	29	36	30	122	226
15:00	15	20	34	16	85	40	29	34	27	130	215
16:00	23	25	23	25	96	43	27	34	36	140	236
17:00	47	19	17	15	98	34	16	15	18	83	181
18:00	6	10	12	5	33	9	14	9	4	36	69
19:00	6	2	5	4	17	6	7	3	3	19	36
20:00	1	2	2	5	10	6	2	5	8	21	31
21:00	5	3	2	3	13	7	4	4	1	16	29
22:00	3	1	4	1	9	2	4	0	0	6	15
23:00	1	0	0	1	2	2	2	2	3	9	11
Total					1200					1470	2670

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1115	136
P.M	1200	130
Daily	1115	136

	Direction:	Westbound
	Hour	Volume
A.M	715	173
P.M	1600	140
Daily	715	173

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St W Of Harrison Ave
County: Bay
Start Date: 9-Mar-05

Station #: 3108
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	3	0	3	1	2	1	0	4	7
1:00	0	0	1	0	1	0	0	1	0	1	2
2:00	1	0	0	0	1	0	1	2	1	4	5
3:00	1	1	0	0	2	1	1	0	0	2	4
4:00	0	0	0	2	2	2	1	0	1	4	6
5:00	0	4	4	8	16	0	2	0	2	4	20
6:00	4	7	14	15	40	1	9	11	15	36	76
7:00	13	29	35	24	101	22	33	63	53	171	272
8:00	21	20	23	13	77	44	24	24	27	119	196
9:00	25	15	12	22	74	16	19	17	29	81	155
10:00	28	23	25	16	92	29	27	18	24	98	190
11:00	17	30	20	28	95	19	31	35	33	118	213
12:00	26	22	23	36	107	36	29	24	29	118	225
13:00	32	20	28	13	93	33	25	29	31	118	211
14:00	25	24	25	22	96	27	31	29	25	112	208
15:00	25	29	25	20	99	38	37	29	22	126	225
16:00	18	32	31	28	109	51	33	35	33	152	261
17:00	39	23	9	12	83	50	44	27	28	149	232
18:00	12	7	12	8	39	26	15	14	13	68	107
19:00	17	63	28	5	113	11	8	11	9	39	152
20:00	6	1	4	7	18	5	1	11	6	23	41
21:00	1	1	0	2	4	2	1	2	3	8	12
22:00	1	2	3	2	8	0	2	1	1	4	12
23:00	1	0	1	1	3	0	6	0	0	6	9
Total					1276					1565	2841

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	715	109
P.M	1615	130
Daily	1615	130

	Direction:	Westbound
	Hour	Volume
A.M	715	193
P.M	1630	162
Daily	715	193

	Direction:	Combined
	Hour	Volume
A.M	715	302
P.M	1630	283
Daily	715	302

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St W Of Harrison Ave
County: Bay
Start Date: 10-Mar-05

Station #: 3108
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	0	1	1	1	0	1	0	2	3
1:00	1	1	0	1	3	1	0	0	0	1	4
2:00	0	0	0	0	0	0	0	1	2	3	3
3:00	0	1	0	1	2	1	1	2	1	5	7
4:00	0	0	1	2	3	1	0	1	0	2	5
5:00	2	3	1	5	11	3	2	0	2	7	18
6:00	6	9	14	13	42	7	7	13	18	45	87
7:00	18	26	32	28	104	20	35	48	35	138	242
8:00	20	25	17	13	75	30	28	26	19	103	178
9:00	15	21	20	12	68	19	27	29	24	99	167
10:00	12	27	15	20	74	24	17	24	27	92	166
11:00	26	29	20	30	105	30	29	26	32	117	222
12:00	35	26	27	33	121	32	25	32	42	131	252
13:00	32	23	25	24	104	34	29	31	23	117	221
14:00	28	34	21	30	113	22	35	39	27	123	236
15:00	24	20	23	26	93	37	34	29	24	124	217
16:00	26	22	23	29	100	34	29	37	29	129	229
17:00	35	23	14	15	87	48	24	16	11	99	186
18:00	4	9	21	7	41	19	8	14	14	55	96
19:00	13	7	6	8	34	11	5	3	6	25	59
20:00	6	1	8	1	16	3	3	5	3	14	30
21:00	6	2	0	0	8	3	3	1	1	8	16
22:00	2	3	4	1	10	2	4	1	2	9	19
23:00	1	2	0	1	4	1	3	0	0	4	8
Total					1219					1452	2671

Peak Hour Summary

	Direction: Eastbound	
	Hour	Volume
A.M	1145	118
P.M	1200	121
Daily	1200	121

	Direction: Westbound	
	Hour	Volume
A.M	715	148
P.M	1615	143
Daily	715	148

	Direction: Combined	
	Hour	Volume
A.M	715	254
P.M	1200	252

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St E Of Harrison Ave
County: Bay
Start Date: 8-Mar-05

Station #: 3109
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	1	0	2	0	3	1	0	1	3	5	8
1:00	2	0	1	1	4	0	0	1	2	3	7
2:00	0	0	0	0	0	1	0	0	0	1	1
3:00	2	1	0	0	3	1	1	0	0	2	5
4:00	2	0	5	4	11	0	0	1	1	2	13
5:00	4	6	6	14	30	11	5	3	3	22	52
6:00	14	23	17	24	78	6	3	19	25	53	131
7:00	25	34	46	39	144	29	56	64	42	191	335
8:00	31	29	23	34	117	33	23	22	34	112	229
9:00	21	35	25	23	104	23	22	27	36	108	212
10:00	23	18	24	25	90	29	26	23	28	106	196
11:00	34	30	38	34	136	47	29	38	30	144	280
12:00	33	30	38	42	143	46	39	43	60	188	331
13:00	43	38	24	35	140	39	34	43	44	160	300
14:00	43	42	42	36	163	32	36	55	38	161	324
15:00	27	35	34	22	118	63	40	40	44	187	305
16:00	26	27	34	24	111	54	39	53	38	184	295
17:00	50	26	27	20	123	69	32	15	21	137	260
18:00	16	14	16	15	61	18	13	7	8	46	107
19:00	7	4	7	6	24	9	13	7	6	35	59
20:00	11	4	3	0	18	6	8	10	11	35	53
21:00	4	5	9	4	22	11	11	8	2	32	54
22:00	2	6	3	2	13	3	3	3	1	10	23
23:00	2	0	0	4	6	6	5	6	4	21	27
Total					1662					1945	3607

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	715	150
P.M	1400	163
Daily	1400	163

	Direction:	Westbound
	Hour	Volume
A.M	715	195
P.M	1615	199
Daily	1615	199

	Direction:	Combined
	Hour	Volume
A.M	715	345
P.M	1415	339
Daily	715	345

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St E Of Harrison Ave
County: Bay
Start Date: 10-Mar-05
Station #: 3109
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	2	0	3	2	7	0	0	0	2	2	9
1:00	0	0	0	2	2	1	0	0	1	2	4
2:00	3	0	2	1	6	3	1	1	0	5	11
3:00	0	0	0	2	2	1	0	0	0	1	3
4:00	3	2	2	3	10	2	0	2	0	4	14
5:00	3	5	4	9	21	3	5	1	2	11	32
6:00	11	24	16	28	79	9	11	20	17	57	136
7:00	25	36	46	33	140	28	44	62	44	178	318
8:00	36	25	28	23	112	33	17	23	15	88	200
9:00	22	30	24	29	105	28	26	29	42	125	230
10:00	22	39	22	23	106	26	21	30	27	104	210
11:00	20	29	25	27	101	32	40	35	47	154	255
12:00	38	36	34	45	153	49	27	43	27	146	299
13:00	34	43	41	28	146	45	32	37	34	148	294
14:00	32	43	36	25	136	38	44	44	34	160	296
15:00	28	23	22	32	105	44	37	45	32	158	263
16:00	30	22	37	24	113	49	44	44	43	180	293
17:00	34	31	19	17	101	64	32	20	20	136	237
18:00	5	15	17	15	52	19	18	13	14	64	116
19:00	16	8	10	9	43	20	15	10	9	54	97
20:00	5	5	8	6	24	9	3	10	9	31	55
21:00	6	3	3	5	17	5	3	5	2	15	32
22:00	4	3	7	1	15	3	6	2	2	13	28
23:00	2	3	0	3	8	4	6	1	3	14	22
Total					1604					1850	3454

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	715	151
P.M	1245	163
Daily	1245	163

	Direction:	Westbound
	Hour	Volume
A.M	715	183
P.M	1615	195
Daily	1615	195

	Direction:	Combined
	Hour	Volume
A.M	715	334
P.M	1615	312
Daily	715	334

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St E Of Harrison Ave
County: Bay
Start Date: 9-Mar-05

Station #: 3109
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	2	2	4	4	4	0	0	8	12
1:00	1	0	1	0	2	0	1	1	1	3	5
2:00	1	0	1	0	2	1	2	1	2	6	8
3:00	1	0	1	1	3	1	0	1	0	2	5
4:00	2	1	1	3	7	1	1	1	1	4	11
5:00	2	8	7	11	28	2	3	2	6	13	41
6:00	14	22	20	27	83	4	15	15	22	56	139
7:00	21	40	50	32	143	34	46	79	67	226	369
8:00	34	30	21	26	111	36	33	26	31	126	237
9:00	39	27	17	25	108	24	20	23	31	98	206
10:00	33	30	33	39	135	37	35	30	28	130	265
11:00	30	31	33	47	141	36	32	33	49	150	291
12:00	45	25	35	39	144	61	51	39	31	182	326
13:00	48	32	33	34	147	38	41	34	48	161	308
14:00	27	41	36	23	127	34	45	48	31	158	285
15:00	32	39	38	19	128	43	45	44	30	162	290
16:00	21	35	28	34	118	51	46	42	36	175	293
17:00	36	36	23	8	103	62	33	33	28	156	259
18:00	9	7	15	16	47	20	12	31	17	80	127
19:00	19	19	10	6	54	11	9	12	18	50	104
20:00	4	3	3	5	15	8	1	13	11	33	48
21:00	8	6	5	3	22	10	8	2	3	23	45
22:00	3	4	2	2	11	3	3	2	2	10	21
23:00	5	3	0	0	8	1	6	0	2	9	17
Total					1691					2021	3712

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	715	156
P.M	1230	154
Daily	715	156

	Direction:	Westbound
	Hour	Volume
A.M	715	228
P.M	1615	186
Daily	715	228

	Direction:	Combined
	Hour	Volume
A.M	715	384
P.M	1200	326
Daily	715	384

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St E Of Magnolia Ave
County: Bay
Start Date: 8-Mar-05

Station #: 3110
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	1	0	2	1	4	1	0	1	3	5	9
1:00	1	0	1	2	4	0	0	1	2	3	7
2:00	0	0	0	0	0	1	1	0	0	2	2
3:00	1	2	0	0	3	1	3	0	0	4	7
4:00	2	0	2	6	10	0	1	1	1	3	13
5:00	3	6	8	13	30	12	5	3	2	22	52
6:00	13	23	13	22	71	8	3	15	26	52	123
7:00	19	43	44	32	138	34	69	83	49	235	373
8:00	26	24	28	25	103	35	30	20	31	116	219
9:00	22	32	22	25	101	23	21	26	31	101	202
10:00	22	22	26	22	92	26	23	23	18	90	182
11:00	30	25	41	26	122	40	23	32	23	118	240
12:00	37	23	32	35	127	42	37	38	46	163	290
13:00	39	40	23	30	132	41	27	33	45	146	278
14:00	35	35	46	35	151	33	42	57	37	169	320
15:00	23	43	35	25	126	65	39	38	33	175	301
16:00	21	25	35	32	113	50	35	48	38	171	284
17:00	58	26	28	20	132	45	23	17	21	106	238
18:00	20	15	18	17	70	16	14	8	7	45	115
19:00	9	4	9	8	30	7	14	8	5	34	64
20:00	13	5	3	1	22	6	10	6	12	34	56
21:00	3	6	6	4	19	10	6	6	2	24	43
22:00	3	9	3	3	18	2	1	4	2	9	27
23:00	1	0	1	1	3	6	5	5	2	18	21
Total					1621					1845	3466

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	715	145
P.M	1400	151
Daily	1400	151

	Direction:	Westbound
	Hour	Volume
A.M	715	236
P.M	1415	201
Daily	715	236

	Direction:	Combined
	Hour	Volume
A.M	715	381
P.M	1430	345
Daily	715	381

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St E Of Magnolia Ave
County: Bay
Start Date: 9-Mar-05

Station #: 3110
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	1	2	3	2	5	0	1	8	11
1:00	0	0	1	0	1	0	1	1	0	2	3
2:00	2	0	0	1	3	1	2	1	2	6	9
3:00	0	1	0	1	2	1	0	1	1	3	5
4:00	2	1	0	3	6	0	0	1	1	2	8
5:00	1	6	7	11	25	2	4	2	5	13	38
6:00	15	21	17	25	78	5	12	16	27	60	138
7:00	20	43	43	31	137	36	61	78	70	245	382
8:00	27	28	19	27	101	39	35	24	32	130	231
9:00	26	26	14	29	95	22	12	21	28	83	178
10:00	28	27	24	41	120	35	29	28	26	118	238
11:00	30	21	31	37	119	25	25	29	44	123	242
12:00	33	25	34	37	129	49	38	29	28	144	273
13:00	41	36	33	25	135	34	33	35	47	149	284
14:00	26	41	46	22	135	34	44	41	24	143	278
15:00	30	35	32	24	121	47	40	38	28	153	274
16:00	23	33	29	39	124	41	37	39	31	148	272
17:00	41	30	21	10	102	46	32	28	27	133	235
18:00	11	9	19	26	65	17	11	29	17	74	139
19:00	22	14	12	7	55	10	7	10	16	43	98
20:00	5	3	6	4	18	4	2	11	6	23	41
21:00	10	6	5	3	24	8	4	3	3	18	42
22:00	3	2	4	2	11	3	4	1	1	9	20
23:00	4	2	1	0	7	1	6	0	2	9	16
Total					1616					1839	3455

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	715	144
P.M	1230	148
Daily	1230	148

	Direction:	Westbound
	Hour	Volume
A.M	715	248
P.M	1345	166
Daily	715	248

	Direction:	Combined
	Hour	Volume
A.M	715	392
P.M	1345	304
Daily	715	392

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St E Of Magnolia Ave
County: Bay
Start Date: 10-Mar-05

Station #: 3110
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	2	0	2	1	5	0	0	0	2	2	7
1:00	0	0	0	1	1	1	0	0	1	2	3
2:00	3	0	2	1	6	2	1	1	0	4	10
3:00	0	2	0	2	4	2	0	0	0	2	6
4:00	1	2	2	4	9	1	0	1	1	3	12
5:00	3	3	7	8	21	4	5	2	4	15	36
6:00	13	25	19	22	79	8	10	20	21	59	138
7:00	23	40	49	30	142	31	61	69	51	212	354
8:00	25	29	23	29	106	39	24	21	20	104	210
9:00	16	27	29	24	96	27	21	29	35	112	208
10:00	19	28	15	16	78	27	25	29	23	104	182
11:00	25	27	28	32	112	21	27	21	44	113	225
12:00	40	32	33	31	136	30	24	46	34	134	270
13:00	35	36	34	25	130	36	29	31	25	121	251
14:00	34	54	38	31	157	43	44	44	31	162	319
15:00	25	20	30	30	105	52	26	46	29	153	258
16:00	25	26	32	30	113	37	38	35	33	143	256
17:00	45	33	23	18	119	40	25	21	19	105	224
18:00	8	15	20	13	56	17	19	11	14	61	117
19:00	17	6	12	11	46	14	12	7	10	43	89
20:00	7	8	7	2	24	11	5	9	10	35	59
21:00	8	4	3	5	20	5	3	5	3	16	36
22:00	6	6	4	3	19	3	5	2	2	12	31
23:00	1	3	0	3	7	6	6	2	4	18	25
Total					1591					1735	3326

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	715	144
P.M	1400	157
Daily	1400	157

	Direction:	Westbound
	Hour	Volume
A.M	715	220
P.M	1415	171
Daily	715	220

	Direction:	Combined
	Hour	Volume
A.M	715	364
P.M	1400	319
Daily	715	364

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St E Of MLK Blvd
County: Bay
Start Date: 8-Mar-05

Station #: 3113
Start Time: 0:00

	Eastbound					Westbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	0	2	2	2	6	4	7	5	7	23	29
1:00	2	1	1	2	6	2	3	3	3	11	17
2:00	2	0	4	1	7	6	0	6	2	14	21
3:00	1	1	3	0	5	1	0	3	3	7	12
4:00	0	2	5	5	12	1	2	3	8	14	26
5:00	2	3	15	19	39	5	2	10	10	27	66
6:00	34	44	46	39	163	22	19	26	23	90	253
7:00	36	44	57	60	197	30	30	50	34	144	341
8:00	50	41	39	58	188	33	20	19	47	119	307
9:00	44	48	66	48	206	35	35	46	37	153	359
10:00	47	44	34	46	171	41	35	53	37	166	337
11:00	43	39	43	46	171	45	39	49	55	188	359
12:00	45	52	62	59	218	43	61	44	53	201	419
13:00	40	50	44	44	178	33	54	41	56	184	362
14:00	47	39	41	46	173	55	57	62	64	238	411
15:00	38	31	44	27	140	72	83	82	38	275	415
16:00	44	27	34	43	148	71	60	59	68	258	406
17:00	29	30	41	34	134	77	33	57	38	205	339
18:00	19	35	34	24	112	38	48	42	31	159	271
19:00	18	17	19	14	68	40	34	18	31	123	191
20:00	14	23	8	4	49	31	31	39	33	134	183
21:00	15	13	8	7	43	25	14	11	16	66	109
22:00	10	6	8	8	32	13	17	11	16	57	89
23:00	7	6	5	6	24	13	16	12	10	51	75
Total					2490					2907	5397

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	845	216
P.M	1200	218
Daily	1200	218

	Direction:	Westbound
	Hour	Volume
A.M	1130	208
P.M	1445	301
Daily	1445	301

	Direction:	Combined
	Hour	Volume
A.M	1145	408
P.M	1445	460
Daily	1445	460

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location:	7th St E Of MLK Blvd		
County:	Bay	Station #:	3113
Start Date:	9-Mar-05	Start Time:	0:00

	Eastbound					Westbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	4	4	2	6	16	7	7	5	11	30	46
1:00	0	3	2	1	6	3	3	2	6	14	20
2:00	8	2	1	1	12	5	3	6	6	20	32
3:00	3	2	2	3	10	6	3	1	8	18	28
4:00	3	1	2	3	9	4	2	0	4	10	19
5:00	1	10	17	17	45	5	8	8	10	31	76
6:00	28	43	45	58	174	13	27	25	39	104	278
7:00	32	43	58	48	181	37	27	49	28	141	322
8:00	46	40	30	53	169	35	28	29	33	125	294
9:00	41	44	50	62	197	31	36	38	52	157	354
10:00	66	64	42	49	221	61	57	49	55	222	443
11:00	44	34	39	36	153	49	43	62	57	211	364
12:00	44	43	35	53	175	55	44	44	40	183	358
13:00	47	50	34	33	164	41	59	59	33	192	356
14:00	39	50	55	36	180	44	59	55	44	202	382
15:00	34	36	44	31	145	54	63	87	55	259	404
16:00	33	34	29	38	134	62	64	57	48	231	365
17:00	32	29	22	17	100	64	50	45	48	207	307
18:00	20	18	32	22	92	34	28	30	24	116	208
19:00	24	20	17	20	81	34	54	33	29	150	231
20:00	11	9	8	13	41	22	20	33	23	98	139
21:00	17	10	9	5	41	20	20	12	10	62	103
22:00	8	10	9	12	39	11	10	9	13	43	82
23:00	5	5	1	0	11	24	14	13	7	58	69
Total					2396					2884	5280

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	930	242
P.M	1230	185
Daily	930	242

	Direction:	Westbound
	Hour	Volume
A.M	1000	222
P.M	1530	268
Daily	1530	268

	Direction:	Combined
	Hour	Volume
A.M	945	453
P.M	1515	411
Daily	945	453

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St E Of MLK Blvd
County: Bay
Start Date: 10-Mar-05

Station #: 3113
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	1	2	2	2	7	3	2	4	3	12	19
1:00	1	1	3	3	8	0	9	2	8	19	27
2:00	0	5	0	3	8	1	3	3	4	11	19
3:00	0	2	3	3	8	2	4	1	6	13	21
4:00	3	0	2	3	8	1	3	4	2	10	18
5:00	7	5	14	13	39	4	4	8	7	23	62
6:00	28	37	45	47	157	21	15	36	23	95	252
7:00	37	35	45	46	163	33	33	32	33	131	294
8:00	37	53	50	46	186	34	27	34	27	122	308
9:00	41	46	36	49	172	37	36	42	30	145	317
10:00	44	35	35	52	166	35	32	57	39	163	329
11:00	35	39	43	44	161	41	37	51	32	161	322
12:00	47	33	49	33	162	44	31	47	30	152	314
13:00	35	55	42	37	169	37	61	54	50	202	371
14:00	46	49	33	54	182	57	55	47	49	208	390
15:00	40	22	30	24	116	70	80	66	43	259	375
16:00	35	36	36	33	140	66	55	76	49	246	386
17:00	33	19	23	24	99	53	52	45	47	197	296
18:00	30	22	18	21	91	35	35	30	35	135	226
19:00	20	13	13	18	64	41	37	25	30	133	197
20:00	19	14	9	9	51	38	25	34	26	123	174
21:00	13	6	13	12	44	19	12	12	17	60	104
22:00	10	12	9	7	38	22	18	15	10	65	103
23:00	3	7	1	3	14	22	16	10	14	62	76
Total					2253					2747	5000

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	815	190
P.M	1400	182
Daily	815	190

	Direction:	Westbound
	Hour	Volume
A.M	1030	174
P.M	1445	265
Daily	1445	265

	Direction:	Combined
	Hour	Volume
A.M	1045	337
P.M	1445	411
Daily	1445	411

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St W Of MLK Blvd
County: Bay
Start Date: 8-Mar-05
Station #: 3114
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	2	2	0	0	4	1	1	2	1	5	9
1:00	1	1	1	2	5	0	0	0	2	2	7
2:00	0	0	1	0	1	1	1	0	0	2	3
3:00	0	0	0	2	2	2	0	0	0	2	4
4:00	2	1	2	1	6	1	0	1	0	2	8
5:00	2	4	6	9	21	3	2	5	4	14	35
6:00	14	12	21	27	74	15	15	10	13	53	127
7:00	16	42	45	31	134	26	54	45	44	169	303
8:00	24	28	24	26	102	34	21	12	19	86	188
9:00	15	30	19	22	86	13	16	15	25	69	155
10:00	21	22	20	23	86	16	18	14	20	68	154
11:00	31	25	30	26	112	24	23	27	16	90	202
12:00	29	30	34	35	128	22	27	28	45	122	250
13:00	30	28	26	30	114	23	25	26	28	102	216
14:00	30	35	35	33	133	34	30	39	34	137	270
15:00	44	31	30	27	132	29	33	34	30	126	258
16:00	32	26	27	26	111	30	28	38	18	114	225
17:00	47	35	23	14	119	35	14	18	23	90	209
18:00	22	15	21	11	69	17	12	10	4	43	112
19:00	12	3	6	9	30	8	14	2	8	32	62
20:00	14	21	6	4	45	4	5	9	17	35	80
21:00	16	11	4	5	36	19	7	1	5	32	68
22:00	3	3	3	3	12	4	5	1	0	10	22
23:00	2	0	2	3	7	3	4	1	4	12	19
Total					1569					1417	2986

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	715	142
P.M	1415	147
Daily	1415	147

	Direction:	Westbound
	Hour	Volume
A.M	715	177
P.M	1400	137
Daily	715	177

	Direction:	Combined
	Hour	Volume
A.M	715	319
P.M	1415	279
Daily	715	319

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St W Of MLK Blvd
County: Bay
Start Date: 9-Mar-05
Station #: 3114
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	6	5	0	4	15	3	10	0	2	15	30
1:00	0	1	1	1	3	0	0	0	0	0	3
2:00	2	0	0	0	2	1	0	1	2	4	6
3:00	2	0	1	1	4	3	1	5	4	13	17
4:00	3	0	0	3	6	0	0	0	0	0	6
5:00	2	8	4	9	23	1	2	4	10	17	40
6:00	14	13	19	23	69	17	16	13	21	67	136
7:00	26	45	41	28	140	27	46	51	44	168	308
8:00	23	29	21	29	102	23	24	18	19	84	186
9:00	23	15	11	26	75	13	12	18	22	65	140
10:00	35	22	27	33	117	27	20	15	31	93	210
11:00	26	27	21	30	104	18	16	31	33	98	202
12:00	34	28	36	31	129	36	24	19	22	101	230
13:00	31	27	31	29	118	34	26	33	25	118	236
14:00	29	37	43	31	140	34	44	31	23	132	272
15:00	41	32	31	30	134	27	29	35	26	117	251
16:00	31	41	32	40	144	45	24	24	21	114	258
17:00	40	34	19	15	108	33	31	27	28	119	227
18:00	14	18	19	31	82	17	10	13	13	53	135
19:00	18	16	15	9	58	10	7	12	11	40	98
20:00	5	5	5	7	22	3	3	9	10	25	47
21:00	9	4	2	4	19	3	4	5	5	17	36
22:00	3	2	4	2	11	4	4	1	2	11	22
23:00	1	1	2	1	5	3	5	1	0	9	14
Total					1630					1480	3110

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	700	140
P.M	1615	153
Daily	1615	153

	Direction:	Westbound
	Hour	Volume
A.M	700	168
P.M	1330	136
Daily	700	168

	Direction:	Combined
	Hour	Volume
A.M	700	308
P.M	1415	277
Daily	700	308

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 7th St W Of MLK Blvd
County: Bay
Start Date: 10-Mar-05

Station #: 3114
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	3	0	2	2	7	3	0	3	1	7	14
1:00	1	0	1	1	3	2	0	0	1	3	6
2:00	4	1	0	0	5	0	1	0	1	2	7
3:00	0	0	0	4	4	3	1	0	3	7	11
4:00	1	3	0	2	6	0	0	2	1	3	9
5:00	6	4	5	7	22	2	3	6	4	15	37
6:00	10	16	23	25	74	16	10	10	16	52	126
7:00	31	32	48	18	129	20	57	31	37	145	274
8:00	17	29	21	26	93	22	16	16	17	71	164
9:00	17	32	24	14	87	21	23	29	22	95	182
10:00	20	24	19	21	84	18	17	21	15	71	155
11:00	28	25	29	32	114	25	18	28	26	97	211
12:00	31	29	40	26	126	24	24	31	27	106	232
13:00	25	31	23	24	103	24	16	23	33	96	199
14:00	37	45	32	41	155	26	40	24	28	118	273
15:00	42	26	34	25	127	36	23	29	31	119	246
16:00	34	30	30	46	140	23	25	32	14	94	234
17:00	39	33	25	16	113	32	17	20	24	93	206
18:00	14	27	18	17	76	12	16	15	10	53	129
19:00	13	9	12	9	43	15	13	6	8	42	85
20:00	12	7	8	6	33	8	5	11	5	29	62
21:00	6	4	4	5	19	4	4	4	4	16	35
22:00	2	5	3	3	13	4	3	3	3	13	26
23:00	5	5	1	1	12	8	4	1	2	15	27
Total					1588					1362	2950

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	645	136
P.M	1415	160
Daily	1415	160

	Direction:	Westbound
	Hour	Volume
A.M	715	147
P.M	1415	128
Daily	715	147

	Direction:	Combined
	Hour	Volume
A.M	700	274
P.M	1415	288
Daily	1415	288

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Bus 98 W Of 4th St
County: Bay
Start Date: 8-Mar-05
Station #: 3115
Start Time: 0:00

	Eastbound					Westbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	18	22	9	4	53	11	11	9	8	39	92
1:00	4	9	7	3	23	7	6	3	1	17	40
2:00	9	4	3	4	20	9	5	8	5	27	47
3:00	7	4	2	8	21	6	7	10	5	28	49
4:00	7	13	14	11	45	6	11	20	33	70	115
5:00	13	28	34	46	121	32	33	51	95	211	332
6:00	70	82	112	116	380	101	143	183	204	631	1011
7:00	138	161	147	122	568	225	352	343	320	1240	1808
8:00	105	102	99	91	397	188	134	159	172	653	1050
9:00	107	113	126	93	439	159	136	115	190	600	1039
10:00	93	110	141	140	484	127	125	141	128	521	1005
11:00	122	119	112	147	500	149	160	150	150	609	1109
12:00	161	115	160	135	571	126	157	150	170	603	1174
13:00	132	142	144	162	580	143	137	146	146	572	1152
14:00	172	174	170	170	686	194	201	170	168	733	1419
15:00	188	193	204	182	767	163	156	189	179	687	1454
16:00	216	193	210	210	829	183	186	210	179	758	1587
17:00	319	223	203	169	914	174	135	145	123	577	1491
18:00	147	128	120	92	487	126	125	100	80	431	918
19:00	80	90	76	62	308	87	61	57	55	260	568
20:00	74	68	66	60	268	56	48	55	43	202	470
21:00	55	61	60	32	208	50	25	24	37	136	344
22:00	34	39	32	33	138	38	28	28	18	112	250
23:00	18	31	22	13	84	15	17	16	12	60	144
Total					8891					9777	18668

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	583
P.M	1630	962
Daily	1630	962

	Direction:	Westbound
	Hour	Volume
A.M	700	1240
P.M	1545	758
Daily	700	1240

	Direction:	Combined
	Hour	Volume
A.M	700	1808
P.M	1615	1681
Daily	700	1808

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Bus 98 W Of 4th St
County: Bay
Start Date: 9-Mar-05

Station #: 3115
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	25	15	13	12	65	12	10	9	8	39	104
1:00	11	7	10	3	31	11	7	5	6	29	60
2:00	7	5	4	9	25	6	5	10	8	29	54
3:00	3	1	3	3	10	5	8	9	7	29	39
4:00	8	10	8	12	38	5	9	12	27	53	91
5:00	8	25	47	46	126	22	47	48	74	191	317
6:00	72	75	104	103	354	90	151	172	203	616	970
7:00	131	156	139	105	531	221	313	361	273	1168	1699
8:00	94	86	90	92	362	198	141	143	158	640	1002
9:00	90	102	81	98	371	125	126	152	129	532	903
10:00	107	95	124	99	425	118	156	140	150	564	989
11:00	138	113	139	153	543	124	144	146	158	572	1115
12:00	169	143	148	135	595	136	143	149	161	589	1184
13:00	149	113	172	124	558	142	134	184	144	604	1162
14:00	148	170	187	173	678	162	185	169	157	673	1351
15:00	181	167	183	177	708	154	180	168	187	689	1397
16:00	245	220	210	196	871	181	166	174	159	680	1551
17:00	307	185	210	167	869	162	156	144	132	594	1463
18:00	145	110	75	91	421	114	136	109	100	459	880
19:00	126	109	84	79	398	78	74	55	57	264	662
20:00	92	90	60	69	311	56	42	56	38	192	503
21:00	77	60	42	35	214	52	48	35	25	160	374
22:00	39	33	31	31	134	33	36	34	24	127	261
23:00	38	37	27	17	119	17	16	16	17	66	185
Total					8757					9559	18316

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	613
P.M	1615	933
Daily	1615	933

	Direction:	Westbound
	Hour	Volume
A.M	700	1168
P.M	1515	716
Daily	700	1168

	Direction:	Combined
	Hour	Volume
A.M	700	1699
P.M	1615	1594
Daily	700	1699

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Bus 98 W Of 4th St
County: Bay
Start Date: 10-Mar-05

Station #: 3115
Start Time: 0:00

	Eastbound					Westbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	11	12	16	8	47	12	6	14	9	41	88
1:00	6	8	6	8	28	8	5	8	6	27	55
2:00	9	8	5	4	26	6	9	6	4	25	51
3:00	7	6	8	7	28	9	7	8	3	27	55
4:00	7	11	5	14	37	8	12	25	18	63	100
5:00	9	18	54	42	123	34	41	54	70	199	322
6:00	57	78	109	111	355	115	146	208	193	662	1017
7:00	144	150	159	92	545	227	354	339	275	1195	1740
8:00	106	93	92	95	386	201	171	161	155	688	1074
9:00	103	113	107	102	425	146	135	146	131	558	983
10:00	100	101	119	134	454	125	148	137	140	550	1004
11:00	133	133	127	120	513	111	142	133	158	544	1057
12:00	144	136	144	134	558	144	141	144	149	578	1136
13:00	152	142	139	146	579	137	159	160	157	613	1192
14:00	168	156	164	166	654	166	194	178	187	725	1379
15:00	176	191	242	172	781	186	182	179	204	751	1532
16:00	250	203	227	218	898	182	180	187	194	743	1641
17:00	288	224	198	172	882	161	168	135	121	585	1467
18:00	122	135	118	110	485	140	144	116	103	503	988
19:00	112	80	79	97	368	71	83	57	69	280	648
20:00	89	82	69	59	299	63	59	57	49	228	527
21:00	72	56	65	36	229	42	34	40	34	150	379
22:00	39	36	41	48	164	32	45	49	25	151	315
23:00	33	32	34	19	118	17	16	21	18	72	190
Total					8982					9958	18940

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	645	564
P.M	1630	957
Daily	1630	957

	Direction:	Westbound
	Hour	Volume
A.M	700	1195
P.M	1545	753
Daily	700	1195

	Direction:	Combined
	Hour	Volume
A.M	700	1740
P.M	1630	1667
Daily	700	1740

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St N Of Beach Dr
County: Bay
Start Date: 1-Mar-05
Station #: 2302
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	0	0	1	1	0	0	1	0	1	2
1:00	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	0	2	2	2
4:00	0	0	1	0	1	0	0	3	2	5	6
5:00	3	0	5	8	16	2	2	1	2	7	23
6:00	2	5	5	11	23	8	5	6	9	28	51
7:00	11	10	11	20	52	12	17	26	18	73	125
8:00	15	26	24	25	90	19	27	21	21	88	178
9:00	25	36	26	28	115	18	8	15	17	58	173
10:00	35	25	36	27	123	24	25	15	17	81	204
11:00	38	35	30	37	140	30	26	36	34	126	266
12:00	41	36	40	33	150	35	37	28	29	129	279
13:00	41	48	32	28	149	30	28	29	29	116	265
14:00	25	23	26	33	107	18	27	19	31	95	202
15:00	31	31	28	34	124	19	22	17	16	74	198
16:00	26	29	33	35	123	17	21	31	23	92	215
17:00	52	20	27	17	116	30	19	26	18	93	209
18:00	24	17	9	16	66	10	9	16	12	47	113
19:00	11	8	3	9	31	6	4	4	4	18	49
20:00	7	3	4	3	17	5	0	4	3	12	29
21:00	2	5	4	6	17	1	2	0	3	6	23
22:00	10	1	4	2	17	1	2	1	1	5	22
23:00	2	0	1	0	3	1	2	0	0	3	6
Total					1481					1159	2640

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1145	154
P.M	1230	162
Daily	1230	162

	Direction:	Southbound
	Hour	Volume
A.M	1130	142
P.M	1200	129
Daily	1130	142

	Direction:	Combined
	Hour	Volume
A.M	1145	288
P.M	1200	279
Daily	1145	288

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St N Of Beach Dr
County: Bay
Start Date: 2-Mar-05

Station #: 2302
Start Time: 0:00

	Northbound					Southbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	0	1	0	0	1	0	0	0	1	1	2
1:00	0	0	1	0	1	0	0	0	0	0	1
2:00	1	0	0	0	1	1	0	0	0	1	2
3:00	0	1	0	1	2	0	0	1	1	2	4
4:00	0	0	0	2	2	2	0	1	0	3	5
5:00	0	0	1	2	3	0	2	2	4	8	11
6:00	0	3	5	7	15	5	8	7	9	29	44
7:00	9	6	14	20	49	14	14	23	22	73	122
8:00	17	20	14	27	78	31	21	18	19	89	167
9:00	23	21	28	25	97	17	24	16	20	77	174
10:00	30	27	23	30	110	10	15	21	20	66	176
11:00	32	33	26	31	122	27	20	12	20	79	201
12:00	38	25	21	43	127	29	25	19	14	87	214
13:00	31	33	30	30	124	28	25	24	26	103	227
14:00	24	32	27	31	114	25	27	21	21	94	208
15:00	25	22	21	38	106	22	19	20	15	76	182
16:00	27	27	38	28	120	23	21	13	25	82	202
17:00	46	24	19	13	102	28	19	17	17	81	183
18:00	15	15	6	8	44	11	9	9	6	35	79
19:00	4	12	9	8	33	9	5	10	3	27	60
20:00	7	1	5	2	15	5	4	3	1	13	28
21:00	3	4	1	0	8	6	2	0	2	10	18
22:00	5	2	3	2	12	3	4	0	1	8	20
23:00	1	2	0	2	5	2	2	1	1	6	11
Total					1291					1050	2341

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1115	128
P.M	1615	139
Daily	1615	139

	Direction:	Southbound
	Hour	Volume
A.M	730	97
P.M	1300	103
Daily	1300	103

	Direction:	Combined
	Hour	Volume
A.M	1115	209
P.M	1245	228
Daily	1245	228

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St N Of Beach Dr
County: Bay
Start Date: 3-Mar-05
Station #: 2302
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	0	0	1	0	1	1	1	1	2	5	6
1:00	0	1	0	2	3	0	0	1	0	1	4
2:00	1	0	0	0	1	0	0	1	0	1	2
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	2	0	2	0	2	0	2	4	6
5:00	3	0	1	4	8	2	1	2	3	8	16
6:00	1	5	4	9	19	4	7	4	12	27	46
7:00	9	11	13	18	51	13	11	27	21	72	123
8:00	19	24	27	24	94	15	20	21	16	72	166
9:00	18	26	33	25	102	25	22	24	16	87	189
10:00	25	25	32	26	108	18	15	26	22	81	189
11:00	38	25	29	26	118	21	20	21	19	81	199
12:00	25	28	27	34	114	34	30	11	29	104	218
13:00	27	27	26	17	97	14	27	21	23	85	182
14:00	26	20	28	30	104	21	16	23	22	82	186
15:00	30	18	27	25	100	21	11	26	19	77	177
16:00	22	22	23	33	100	15	21	19	11	66	166
17:00	37	22	20	15	94	8	9	8	10	35	129
18:00	7	4	2	11	24	10	13	7	32	62	86
19:00	6	6	5	2	19	26	11	6	1	44	63
20:00	0	2	1	6	9	6	1	3	0	10	19
21:00	3	7	5	3	18	1	2	3	0	6	24
22:00	3	6	52	5	66	2	5	2	0	9	75
23:00	6	2	1	0	9	0	1	0	1	2	11
Total					1261					1021	2282

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1015	121
P.M	1215	116
Daily	1015	121

	Direction:	Southbound
	Hour	Volume
A.M	1130	104
P.M	1200	104
Daily	1130	104

	Direction:	Combined
	Hour	Volume
A.M	1130	212
P.M	1200	218
Daily	1200	218

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Mulberry Ave N Of 6th St
County: Bay
Start Date: 15-Mar-05
Station #: 3106
Start Time: 0:00

	Northbound					Southbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	2	0	0	2	4	0	0	0	0	0	4
1:00	0	0	0	0	0	0	0	0	0	0	0
2:00	1	0	0	1	2	1	0	0	1	2	4
3:00	0	0	1	1	2	0	0	0	0	0	2
4:00	0	0	0	0	0	1	0	0	0	1	1
5:00	1	2	1	1	5	0	0	4	1	5	10
6:00	3	7	5	10	25	0	1	5	2	8	33
7:00	6	8	14	17	45	5	11	4	8	28	73
8:00	9	10	10	7	36	7	8	10	7	32	68
9:00	20	8	7	15	50	16	11	9	10	46	96
10:00	22	12	9	12	55	9	16	13	14	52	107
11:00	17	17	13	15	62	9	9	15	13	46	108
12:00	13	13	20	15	61	15	8	15	12	50	111
13:00	14	10	20	17	61	10	8	11	13	42	103
14:00	18	9	10	13	50	15	18	10	11	54	104
15:00	12	11	13	8	44	5	11	16	12	44	88
16:00	11	11	2	7	31	9	10	8	6	33	64
17:00	4	5	4	3	16	15	2	3	4	24	40
18:00	2	4	1	1	8	2	2	2	1	7	15
19:00	0	1	1	3	5	1	3	4	1	9	14
20:00	2	1	2	0	5	1	2	1	2	6	11
21:00	1	0	2	0	3	1	1	0	2	4	7
22:00	0	3	0	0	3	1	0	1	2	4	7
23:00	0	0	0	0	0	0	0	0	0	0	0
Total					573					497	1070

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1100	62
P.M	1315	65
Daily	1315	65

	Direction:	Southbound
	Hour	Volume
A.M	1000	52
P.M	1330	57
Daily	1330	57

	Direction:	Combined
	Hour	Volume
A.M	1145	112
P.M	1330	121
Daily	1330	121

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Mulberry Ave N Of 6th St
County: Bay
Start Date: 16-Mar-05
Station #: 3106
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	1	1	0	2	0	0	0	0	0	2
1:00	1	0	0	0	1	0	1	0	0	1	2
2:00	0	0	0	0	0	0	0	1	1	2	2
3:00	0	0	0	2	2	0	0	1	0	1	3
4:00	0	0	0	0	0	1	0	3	0	4	4
5:00	1	1	0	2	4	0	1	0	2	3	7
6:00	3	1	5	13	22	0	2	1	4	7	29
7:00	2	14	11	13	40	4	6	7	11	28	68
8:00	12	5	3	13	33	8	13	4	6	31	64
9:00	8	7	14	20	49	16	12	7	9	44	93
10:00	9	11	13	12	45	8	11	11	8	38	83
11:00	10	17	12	7	46	15	13	13	14	55	101
12:00	14	13	5	8	40	24	10	3	8	45	85
13:00	12	15	13	15	55	9	8	9	12	38	93
14:00	8	10	14	11	43	13	5	11	10	39	82
15:00	13	9	12	11	45	13	10	13	15	51	96
16:00	12	11	9	7	39	16	8	10	9	43	82
17:00	2	3	2	4	11	11	5	1	6	23	34
18:00	1	2	4	3	10	0	1	3	0	4	14
19:00	0	1	1	0	2	0	2	0	0	2	4
20:00	1	0	0	3	4	3	2	1	1	7	11
21:00	0	1	2	6	9	0	0	0	1	1	10
22:00	0	2	0	0	2	0	0	0	2	2	4
23:00	0	0	0	1	1	0	0	0	0	0	1
Total					505					469	974

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	930	54
P.M	1300	55
Daily	1300	55

	Direction:	Southbound
	Hour	Volume
A.M	1115	64
P.M	1515	54
Daily	1115	64

	Direction:	Combined
	Hour	Volume
A.M	1115	114
P.M	1515	98
Daily	1115	114

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Mulberry Ave N Of 6th St
County: Bay
Start Date: 17-Mar-05
Station #: 3106
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	0	0	0	1	1	2	0	0	0	2	3
1:00	1	0	0	0	1	1	1	0	0	2	3
2:00	0	0	0	0	0	0	0	0	0	0	0
3:00	0	1	0	2	3	1	0	1	0	2	5
4:00	2	0	0	3	5	1	0	0	0	1	6
5:00	0	3	1	1	5	0	1	1	0	2	7
6:00	5	5	5	11	26	0	4	0	2	6	32
7:00	12	16	16	15	59	2	5	4	12	23	82
8:00	6	10	13	7	36	11	5	6	8	30	66
9:00	16	8	16	18	58	13	12	11	6	42	100
10:00	7	7	13	9	36	8	10	14	12	44	80
11:00	12	12	15	10	49	13	18	10	5	46	95
12:00	11	13	15	20	59	17	11	13	10	51	110
13:00	35	34	11	18	98	24	17	9	18	68	166
14:00	7	23	14	14	58	12	13	16	15	56	114
15:00	13	18	14	10	55	19	22	22	11	74	129
16:00	14	13	9	5	41	15	10	20	18	63	104
17:00	11	5	4	1	21	12	7	15	7	41	62
18:00	1	1	1	4	7	4	3	4	0	11	18
19:00	3	2	1	1	7	1	2	3	2	8	15
20:00	1	6	0	1	8	2	2	2	2	8	16
21:00	2	1	1	1	5	2	0	1	1	4	9
22:00	0	0	1	0	1	0	0	0	1	1	2
23:00	1	2	0	0	3	0	0	2	1	3	6
Total					642					588	1230

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	700	59
P.M	1230	104
Daily	1230	104

	Direction:	Southbound
	Hour	Volume
A.M	1030	57
P.M	1445	78
Daily	1445	78

	Direction:	Combined
	Hour	Volume
A.M	1030	103
P.M	1230	168
Daily	1230	168

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32562

Location: 4th St W Of Luverne Ave
County: Bay
Start Date: 1-Mar-05
Station #: 2402
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	4	2	0	2	8	0	1	1	4	6	14
1:00	0	2	0	1	3	0	1	0	0	1	4
2:00	1	0	0	0	1	1	0	0	0	1	2
3:00	3	1	1	2	7	0	0	2	2	4	11
4:00	3	4	1	0	8	1	6	2	1	10	18
5:00	1	5	7	4	17	3	2	5	10	20	37
6:00	7	11	15	17	50	12	15	27	26	80	130
7:00	21	23	40	51	135	29	46	71	64	210	345
8:00	32	41	45	53	171	46	53	48	40	187	358
9:00	62	40	44	53	199	55	45	62	31	193	392
10:00	54	54	64	51	223	61	44	72	58	235	458
11:00	65	63	65	58	251	61	58	67	72	258	509
12:00	53	78	70	75	276	85	84	71	61	301	577
13:00	71	71	71	72	285	75	58	50	55	238	523
14:00	56	42	59	50	207	72	57	45	72	246	453
15:00	55	59	63	62	239	59	33	60	57	209	448
16:00	55	58	78	69	260	63	54	71	72	260	520
17:00	72	70	50	40	232	73	50	44	34	201	433
18:00	45	32	35	32	144	24	17	21	25	87	231
19:00	24	19	19	22	84	22	14	12	12	60	144
20:00	19	15	8	8	50	12	8	8	6	34	84
21:00	12	14	11	6	43	2	3	11	4	20	63
22:00	14	5	4	9	32	8	6	1	1	16	48
23:00	0	4	4	2	10	5	0	2	2	9	19
Total					2935					2886	5821

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	259
P.M	1215	294
Daily	1215	294

	Direction:	Westbound
	Hour	Volume
A.M	1145	312
P.M	1200	301
Daily	1145	312

	Direction:	Combined
	Hour	Volume
A.M	1145	571
P.M	1215	585
Daily	1215	585

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32562

Location: 4th St W Of Luverne Ave
County: Bay
Start Date: 2-Mar-05
Station #: 2402
Start Time: 0:00

Time	Eastbound 1st	2nd	3rd	4th	Hour Tot.	Westbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	2	4	2	2	10	2	1	0	2	5	15
1:00	2	1	3	1	7	0	0	1	0	1	8
2:00	4	1	0	4	9	1	0	1	1	3	12
3:00	0	2	1	3	6	0	0	2	2	4	10
4:00	0	5	0	1	6	1	3	0	3	7	13
5:00	4	5	3	10	22	2	7	2	13	24	46
6:00	4	12	7	25	48	11	8	21	27	67	115
7:00	24	25	35	56	140	30	44	69	82	225	365
8:00	50	42	38	53	183	56	51	41	44	192	375
9:00	44	48	49	47	188	43	51	46	58	198	386
10:00	55	57	58	41	211	58	36	64	45	203	414
11:00	50	58	52	59	219	60	53	49	70	232	451
12:00	60	58	54	66	238	53	66	56	57	232	470
13:00	67	63	72	52	254	57	53	57	52	219	473
14:00	49	47	54	66	216	49	42	53	53	197	413
15:00	44	58	59	57	218	51	57	51	39	198	416
16:00	65	58	61	64	248	71	39	44	61	215	463
17:00	76	64	44	34	218	64	36	33	30	163	381
18:00	29	34	20	21	104	18	16	27	19	80	184
19:00	23	19	14	16	72	11	9	8	13	41	113
20:00	19	16	14	8	57	9	12	10	12	43	100
21:00	13	15	16	13	57	11	12	11	4	38	95
22:00	9	9	14	8	40	10	7	5	6	28	68
23:00	4	9	4	3	20	7	6	2	3	18	38
Total					2791					2633	5424

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	231
P.M	1245	268
Daily	1245	268

	Direction:	Westbound
	Hour	Volume
A.M	730	258
P.M	1215	236
Daily	730	258

	Direction:	Combined
	Hour	Volume
A.M	1145	476
P.M	1245	492
Daily	1245	492

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32562

Location: 4th St W Of Luverne Ave
County: Bay
Start Date: 3-Mar-05

Station #: 2402
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	1	4	1	2	8	0	1	2	3	6	14
1:00	1	3	1	1	6	1	4	2	0	7	13
2:00	1	3	4	2	10	0	4	7	2	13	23
3:00	1	0	0	2	3	0	1	0	2	3	6
4:00	1	1	2	1	5	2	4	2	2	10	15
5:00	1	2	4	9	16	1	5	9	8	23	39
6:00	1	8	11	19	39	9	11	18	29	67	106
7:00	14	24	35	51	124	30	49	70	65	214	338
8:00	45	34	44	43	166	57	51	43	37	188	354
9:00	40	47	59	58	204	47	48	48	57	200	404
10:00	48	56	52	64	220	39	60	56	59	214	434
11:00	52	67	53	76	248	80	58	59	81	278	526
12:00	69	66	67	55	257	60	48	42	60	210	467
13:00	73	68	69	39	249	42	48	60	46	196	445
14:00	49	52	50	53	204	45	59	63	44	211	415
15:00	71	82	58	65	276	61	53	58	57	229	505
16:00	48	39	59	61	207	39	43	54	56	192	399
17:00	98	65	48	26	237	47	43	46	48	184	421
18:00	24	39	17	17	97	31	35	30	38	134	231
19:00	35	23	22	10	90	35	20	13	11	79	169
20:00	17	12	15	11	55	18	8	21	15	62	117
21:00	15	13	13	14	55	8	12	10	11	41	96
22:00	13	3	37	12	65	7	6	14	3	30	95
23:00	5	11	5	4	25	5	5	6	9	25	50
Total					2866					2816	5682

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	278
P.M	1630	283
Daily	1630	283

	Direction:	Westbound
	Hour	Volume
A.M	1100	278
P.M	1500	229
Daily	1100	278

	Direction:	Combined
	Hour	Volume
A.M	1100	526
P.M	1500	505
Daily	1100	526

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St W Of Grace Ave
County: Bay
Start Date: 1-Mar-05

Station #: 2303
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	0	1	1	0	0	1	4	5	6
1:00	0	0	0	0	0	1	0	0	0	1	1
2:00	0	0	0	0	0	0	1	0	0	1	1
3:00	1	0	1	1	3	0	0	0	2	2	5
4:00	0	0	1	0	1	0	1	2	1	4	5
5:00	0	0	3	3	6	1	2	3	5	11	17
6:00	5	10	4	9	28	3	14	11	15	43	71
7:00	22	12	19	29	82	16	34	39	43	132	214
8:00	23	21	30	33	107	22	28	31	25	106	213
9:00	22	31	30	22	105	33	17	20	29	99	204
10:00	35	28	39	28	130	31	31	23	38	123	253
11:00	38	37	39	47	161	35	35	37	33	140	301
12:00	36	42	36	36	150	49	47	34	55	185	335
13:00	43	40	40	39	162	43	27	33	38	141	303
14:00	27	36	26	30	119	33	35	29	39	136	255
15:00	30	31	41	35	137	34	18	28	21	101	238
16:00	30	34	50	44	158	26	27	48	36	137	295
17:00	66	43	31	25	165	45	26	27	22	120	285
18:00	25	13	16	16	70	8	16	8	15	47	117
19:00	7	8	4	5	24	9	7	8	6	30	54
20:00	10	7	3	6	26	3	1	5	3	12	38
21:00	6	4	3	5	18	4	2	0	2	8	26
22:00	5	5	0	2	12	3	5	4	1	13	25
23:00	2	2	2	0	6	0	0	0	1	1	7
Total					1671					1598	3269

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1130	164
P.M	1630	203
Daily	1630	203

	Direction:	Westbound
	Hour	Volume
A.M	1130	166
P.M	1200	185
Daily	1200	185

	Direction:	Combined
	Hour	Volume
A.M	1130	330
P.M	1630	358
Daily	1630	358

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St W Of Grace Ave
County: Bay
Start Date: 2-Mar-05

Station #: 2303
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	1	0	1	2	0	0	0	1	1	3
1:00	0	0	3	1	4	0	0	0	0	0	4
2:00	0	1	0	1	2	0	0	1	0	1	3
3:00	0	0	1	2	3	0	0	1	2	3	6
4:00	0	0	0	2	2	0	0	0	0	0	2
5:00	0	1	1	4	6	0	4	1	8	13	19
6:00	2	7	6	11	26	5	8	11	20	44	70
7:00	19	16	18	31	84	24	24	37	46	131	215
8:00	35	23	19	22	99	27	27	28	22	104	203
9:00	31	31	27	29	118	18	27	21	28	94	212
10:00	28	29	26	41	124	25	22	27	27	101	225
11:00	42	37	33	43	155	24	27	29	33	113	268
12:00	44	36	27	37	144	35	38	20	26	119	263
13:00	40	50	43	24	157	46	34	31	32	143	300
14:00	41	34	32	34	141	36	29	14	20	99	240
15:00	28	42	42	40	152	22	25	32	20	99	251
16:00	33	32	32	36	133	40	26	35	31	132	265
17:00	71	43	26	18	158	38	14	25	12	89	247
18:00	24	16	9	8	57	11	13	11	7	42	99
19:00	9	8	10	8	35	10	13	13	5	41	76
20:00	11	2	8	4	25	5	8	6	4	23	48
21:00	8	7	5	2	22	4	2	2	0	8	30
22:00	5	6	4	2	17	2	7	0	1	10	27
23:00	0	4	1	3	8	3	2	3	3	11	19
Total					1674					1421	3095

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1115	157
P.M	1630	182
Daily	1630	182

	Direction:	Westbound
	Hour	Volume
A.M	730	137
P.M	1300	143
Daily	1300	143

	Direction:	Combined
	Hour	Volume
A.M	1130	291
P.M	1245	307
Daily	1245	307

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St W Of Grace Ave
County: Bay
Start Date: 3-Mar-05
Station #: 2303
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	1	1	2	0	4	0	1	1	3	5	9
1:00	0	2	0	1	3	1	0	1	0	2	5
2:00	0	1	0	0	1	0	1	3	0	4	5
3:00	1	0	0	0	1	0	0	0	0	0	1
4:00	0	0	1	0	1	0	1	1	1	3	4
5:00	0	1	0	6	7	1	3	3	8	15	22
6:00	2	5	5	15	27	6	6	15	20	47	74
7:00	12	29	18	35	94	16	31	45	38	130	224
8:00	28	21	27	29	105	34	23	22	21	100	205
9:00	27	19	32	38	116	27	27	22	25	101	217
10:00	24	33	30	35	122	9	23	23	33	88	210
11:00	47	31	38	40	156	23	36	32	38	129	285
12:00	33	39	46	30	148	38	33	23	40	134	282
13:00	46	36	44	25	151	29	43	30	29	131	282
14:00	35	32	29	29	125	34	30	31	24	119	244
15:00	38	36	34	33	141	20	22	34	31	107	248
16:00	28	40	32	40	140	18	27	44	28	117	257
17:00	58	46	23	15	142	31	19	18	16	84	226
18:00	16	11	4	14	45	16	14	10	11	51	96
19:00	9	11	8	9	37	11	8	8	4	31	68
20:00	2	7	3	3	15	4	3	1	3	11	26
21:00	5	8	3	4	20	2	3	5	7	17	37
22:00	3	0	21	3	27	2	6	2	3	13	40
23:00	5	0	1	3	9	0	3	5	1	9	18
Total					1637					1448	3085

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	158
P.M	1630	176
Daily	1630	176

	Direction:	Westbound
	Hour	Volume
A.M	715	148
P.M	1245	142
Daily	715	148

	Direction:	Combined
	Hour	Volume
A.M	1130	291
P.M	1615	300
Daily	1615	300

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Oak Ave W Of Jenks Ave
County: Bay
Start Date: 1-Mar-05

Station #: 2301
Start Time: 0:00

	Northbound					Southbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	0	0	1	2	3	0	0	0	0	0	3
1:00	0	0	0	1	1	0	0	0	0	0	1
2:00	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	1	0	1	1	3	3
4:00	0	0	0	0	0	0	0	0	0	0	0
5:00	0	2	3	3	8	0	1	0	1	2	10
6:00	1	1	7	3	12	2	7	1	10	20	32
7:00	7	16	11	16	50	13	8	11	17	49	99
8:00	10	16	11	13	50	11	11	14	11	47	97
9:00	17	11	18	16	62	12	8	11	22	53	115
10:00	21	14	19	25	79	18	14	14	15	61	140
11:00	23	23	12	18	76	7	13	14	17	51	127
12:00	25	31	13	23	92	18	20	17	20	75	167
13:00	17	18	16	16	67	15	22	21	15	73	140
14:00	13	20	15	21	69	23	22	10	16	71	140
15:00	18	13	21	19	71	15	20	10	14	59	130
16:00	14	17	15	22	68	19	15	28	30	92	160
17:00	29	9	5	12	55	32	21	17	10	80	135
18:00	6	6	4	3	19	8	10	7	4	29	48
19:00	1	7	4	3	15	0	4	2	0	6	21
20:00	4	0	1	1	6	0	2	1	2	5	11
21:00	2	0	0	1	3	2	2	1	0	5	8
22:00	0	2	2	2	6	1	4	0	0	5	11
23:00	1	1	2	1	5	0	1	1	0	2	7
Total					817					788	1605

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1030	90
P.M	1200	92
Daily	1200	92

	Direction:	Southbound
	Hour	Volume
A.M	1145	72
P.M	1630	111
Daily	1630	111

	Direction:	Combined
	Hour	Volume
A.M	1145	159
P.M	1615	188
Daily	1615	188

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Oak Ave W Of Jenks Ave
County: Bay
Start Date: 2-Mar-05

Station #: 2301
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	1	0	0	1	0	0	0	1	1	2
1:00	0	0	0	0	0	0	0	1	0	1	1
2:00	0	0	1	1	2	0	0	0	0	0	2
3:00	0	0	2	0	2	0	0	1	1	2	4
4:00	0	0	0	0	0	0	0	0	0	0	0
5:00	0	2	2	3	7	0	1	2	1	4	11
6:00	0	1	6	4	11	0	4	2	8	14	25
7:00	9	15	11	9	44	13	9	11	20	53	97
8:00	10	13	12	7	42	14	21	8	10	53	95
9:00	16	8	15	14	53	12	11	15	13	51	104
10:00	16	18	8	21	63	13	16	13	14	56	119
11:00	9	13	12	17	51	11	14	12	22	59	110
12:00	21	19	15	12	67	9	13	11	13	46	113
13:00	15	10	6	17	48	12	16	14	13	55	103
14:00	20	10	13	11	54	15	13	15	12	55	109
15:00	13	19	15	17	64	8	18	19	17	62	126
16:00	27	14	17	14	72	19	22	13	22	76	148
17:00	20	8	10	4	42	23	23	11	8	65	107
18:00	7	8	7	1	23	11	5	5	5	26	49
19:00	2	6	3	7	18	4	3	1	4	12	30
20:00	1	5	5	3	14	2	1	2	1	6	20
21:00	6	2	3	1	12	6	3	2	2	13	25
22:00	3	1	0	0	4	1	0	2	1	4	8
23:00	4	2	1	1	8	1	1	1	0	3	11
Total					702					717	1419

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1145	72
P.M	1515	78
Daily	1515	78

	Direction:	Southbound
	Hour	Volume
A.M	730	66
P.M	1630	81
Daily	1630	81

	Direction:	Combined
	Hour	Volume
A.M	1145	127
P.M	1515	151
Daily	1515	151

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Oak Ave W Of Jenks Ave
County: Bay
Start Date: 3-Mar-05
Station #: 2301
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	1	1	1	3	0	0	1	0	1	4
1:00	1	1	1	0	3	0	0	0	0	0	3
2:00	1	1	2	1	5	0	0	0	0	0	5
3:00	0	0	0	0	0	1	0	0	0	1	1
4:00	0	0	1	0	1	0	0	0	0	0	1
5:00	0	2	2	2	6	0	1	0	3	4	10
6:00	2	2	2	7	13	0	5	2	13	20	33
7:00	5	18	14	8	45	8	16	10	17	51	96
8:00	10	14	10	10	44	12	15	13	16	56	100
9:00	10	13	12	23	58	12	6	14	20	52	110
10:00	12	18	14	11	55	16	14	12	9	51	106
11:00	21	14	21	19	75	16	9	11	11	47	122
12:00	16	19	15	17	67	12	16	21	16	65	132
13:00	18	17	19	16	70	22	12	16	16	66	136
14:00	18	17	15	11	61	17	12	9	12	50	111
15:00	16	10	16	15	57	17	17	21	14	69	126
16:00	12	9	22	17	60	12	19	20	27	78	138
17:00	21	11	7	12	51	29	19	10	10	68	119
18:00	6	4	9	4	23	7	6	3	2	18	41
19:00	6	5	1	2	14	3	1	4	2	10	24
20:00	1	1	3	3	8	2	2	2	0	6	14
21:00	1	0	0	6	7	5	3	0	1	9	16
22:00	1	3	3	2	9	0	0	0	0	0	9
23:00	0	2	3	2	7	1	0	0	0	1	8
Total					742					723	1465

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1100	75
P.M	1245	71
Daily	1100	75

	Direction:	Southbound
	Hour	Volume
A.M	930	64
P.M	1615	95
Daily	1615	95

	Direction:	Combined
	Hour	Volume
A.M	930	129
P.M	1630	166
Daily	1630	166

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St W Of Mulberry Ave
County: Bay
Start Date: 15-Mar-05

Station #: 3105
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	3	2	6	11	0	5	4	4	13	24
1:00	1	3	1	1	6	6	2	0	1	9	15
2:00	3	3	0	7	13	2	3	1	0	6	19
3:00	1	1	3	0	5	1	1	3	2	7	12
4:00	1	3	2	0	6	8	10	8	8	34	40
5:00	2	10	15	26	53	8	17	20	24	69	122
6:00	29	50	58	77	214	50	60	69	75	254	468
7:00	67	84	84	97	332	84	111	133	114	442	774
8:00	73	56	58	58	245	64	87	62	77	290	535
9:00	48	47	44	52	191	68	64	56	53	241	432
10:00	51	43	39	44	177	55	45	69	64	233	410
11:00	48	52	41	40	181	58	61	68	72	259	440
12:00	56	59	49	55	219	72	65	74	78	289	508
13:00	54	56	55	64	229	55	59	58	61	233	462
14:00	78	71	67	58	274	69	69	87	95	320	594
15:00	72	89	72	78	311	88	89	105	82	364	675
16:00	77	65	74	63	279	96	85	95	101	377	656
17:00	80	72	63	39	254	110	74	63	60	307	561
18:00	50	50	35	15	150	55	45	40	45	185	335
19:00	31	13	27	17	88	41	29	37	30	137	225
20:00	21	15	13	17	66	24	23	14	27	88	154
21:00	17	18	12	7	54	15	15	10	17	57	111
22:00	6	10	4	8	28	7	12	6	6	31	59
23:00	5	4	8	4	21	7	7	7	6	27	48
Total					3407					4272	7679

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	715	338
P.M	1515	316
Daily	715	338

	Direction:	Westbound
	Hour	Volume
A.M	700	442
P.M	1615	391
Daily	700	442

	Direction:	Combined
	Hour	Volume
A.M	700	774
P.M	1515	688
Daily	700	774

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St W Of Mulberry Ave
County: Bay
Start Date: 16-Mar-05
Station #: 3105
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	1	4	0	2	7	3	5	2	4	14	21
1:00	1	2	0	0	3	1	2	2	6	11	14
2:00	2	1	2	7	12	7	2	3	3	15	27
3:00	2	2	4	1	9	1	1	2	2	6	15
4:00	1	2	5	3	11	6	3	6	2	17	28
5:00	3	14	24	28	69	8	18	25	19	70	139
6:00	31	46	50	59	186	32	58	70	55	215	401
7:00	66	72	81	90	309	71	98	112	105	386	695
8:00	75	35	40	46	196	76	79	51	55	261	457
9:00	46	36	38	38	158	43	71	38	47	199	357
10:00	35	44	29	31	139	56	47	40	51	194	333
11:00	39	37	48	36	160	54	62	53	79	248	408
12:00	47	46	36	58	187	68	54	62	47	231	418
13:00	53	46	60	53	212	60	58	54	68	240	452
14:00	57	52	46	57	212	60	81	59	81	281	493
15:00	78	87	51	62	278	97	71	90	84	342	620
16:00	59	59	78	63	259	89	96	101	90	376	635
17:00	59	89	63	49	260	127	79	66	66	338	598
18:00	42	43	33	32	150	61	35	43	41	180	330
19:00	38	25	17	16	96	48	49	31	38	166	262
20:00	21	15	21	19	76	31	39	16	19	105	181
21:00	27	25	19	13	84	33	15	13	19	80	164
22:00	16	8	7	5	36	25	9	17	7	58	94
23:00	4	1	6	2	13	7	4	7	6	24	37
Total					3122					4057	7179

Peak Hour Summary

	Direction: Eastbound	
	Hour	Volume
A.M	715	318
P.M	1630	289
Daily	715	318

	Direction: Westbound	
	Hour	Volume
A.M	715	391
P.M	1615	414
Daily	1615	414

	Direction: Combined	
	Hour	Volume
A.M	715	709
P.M	1630	686
Daily	715	709

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St W Of Mulberry Ave
County: Bay
Start Date: 17-Mar-05

Station #: 3105
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	3	0	1	1	5	5	5	3	7	20	25
1:00	2	0	0	0	2	9	0	5	3	17	19
2:00	0	1	1	1	3	1	2	4	6	13	16
3:00	1	0	11	1	13	3	3	3	3	12	25
4:00	6	4	4	4	18	4	3	9	11	27	45
5:00	4	9	13	26	52	7	18	24	25	74	126
6:00	38	43	47	53	181	48	47	65	82	242	423
7:00	87	69	64	80	300	86	114	131	107	438	738
8:00	55	56	51	50	212	89	62	59	61	271	483
9:00	53	40	36	51	180	60	47	69	51	227	407
10:00	22	45	55	39	161	58	54	61	78	251	412
11:00	47	44	39	46	176	47	69	56	67	239	415
12:00	46	47	59	57	209	70	56	56	53	235	444
13:00	67	66	60	69	262	74	74	47	58	253	515
14:00	72	63	53	59	247	55	71	77	92	295	542
15:00	68	90	61	69	288	87	111	92	94	384	672
16:00	65	73	71	52	261	96	92	101	111	400	661
17:00	84	86	56	50	276	115	91	86	61	353	629
18:00	50	40	38	27	155	56	58	35	44	193	348
19:00	26	22	33	20	101	36	26	26	26	114	215
20:00	17	17	16	15	65	30	25	24	19	98	163
21:00	20	16	11	6	53	18	21	14	13	66	119
22:00	15	14	14	8	51	17	12	13	14	56	107
23:00	8	4	9	5	26	12	8	6	3	29	55
Total					3297					4307	7604

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	700	300
P.M	1630	293
Daily	700	300

	Direction:	Westbound
	Hour	Volume
A.M	715	441
P.M	1615	419
Daily	715	441

	Direction:	Combined
	Hour	Volume
A.M	700	738
P.M	1630	711
Daily	700	738

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Grace Ave S Of 6th St
County: Bay
Start Date: 15-Mar-05

Station #: 3107
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	0	0	0	0	0	0	0	0	0	0
1:00	0	0	0	0	0	1	0	0	0	1	1
2:00	0	0	0	0	0	0	0	2	0	2	2
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	1	0	1	2	2
5:00	0	0	1	1	2	0	0	1	1	2	4
6:00	1	0	1	0	2	2	3	0	2	7	9
7:00	1	7	13	12	33	10	17	22	31	80	113
8:00	10	10	7	8	35	27	22	8	13	70	105
9:00	9	19	23	16	67	17	20	16	17	70	137
10:00	20	23	10	9	62	17	12	15	21	65	127
11:00	20	15	35	27	97	18	13	24	24	79	176
12:00	33	24	20	24	101	22	20	23	22	87	188
13:00	30	27	20	14	91	18	14	11	20	63	154
14:00	26	25	19	12	82	20	16	13	16	65	147
15:00	23	13	17	13	66	8	18	16	12	54	120
16:00	16	19	26	32	93	13	10	11	21	55	148
17:00	35	15	16	16	82	9	18	7	6	40	122
18:00	8	8	12	14	42	5	6	10	6	27	69
19:00	6	4	6	6	22	2	2	4	3	11	33
20:00	2	1	7	10	20	2	6	2	3	13	33
21:00	3	6	2	5	16	6	1	2	1	10	26
22:00	7	3	4	2	16	1	0	2	0	3	19
23:00	2	2	0	0	4	1	0	0	0	1	5
Total					933					807	1740

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1130	119
P.M	1615	112
Daily	1130	119

	Direction:	Southbound
	Hour	Volume
A.M	730	102
P.M	1200	87
Daily	730	102

	Direction:	Combined
	Hour	Volume
A.M	1130	209
P.M	1200	188
Daily	1130	209

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Grace Ave S Of 6th St
County: Bay
Start Date: 16-Mar-05
Station #: 3107
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	1	0	0	1	1	0	0	0	1	2
1:00	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	1	1	0	0	0	0	0	1
4:00	0	5	0	0	5	0	1	0	0	1	6
5:00	0	0	0	0	0	2	0	0	2	4	4
6:00	2	4	0	3	9	4	1	3	6	14	23
7:00	3	4	5	4	16	6	17	14	28	65	81
8:00	3	8	11	7	29	23	14	16	9	62	91
9:00	9	10	6	16	41	16	15	15	16	62	103
10:00	12	24	11	18	65	14	16	16	17	63	128
11:00	15	15	12	22	64	17	21	15	20	73	137
12:00	26	20	19	25	90	16	25	15	18	74	164
13:00	24	19	22	19	84	19	17	15	20	71	155
14:00	30	12	20	21	83	16	12	18	24	70	153
15:00	16	17	18	18	69	13	17	17	20	67	136
16:00	22	25	25	33	105	17	14	12	18	61	166
17:00	39	17	18	12	86	8	9	8	16	41	127
18:00	12	9	3	10	34	7	7	5	6	25	59
19:00	4	16	5	5	30	9	7	3	3	22	52
20:00	3	1	5	1	10	3	5	1	3	12	22
21:00	4	4	4	8	20	0	0	0	0	0	20
22:00	5	4	0	0	9	2	0	0	0	2	11
23:00	0	0	1	2	3	0	0	0	0	0	3
Total					854					790	1644

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1145	87
P.M	1615	122
Daily	1615	122

	Direction:	Southbound
	Hour	Volume
A.M	715	82
P.M	1215	77
Daily	715	82

	Direction:	Combined
	Hour	Volume
A.M	1145	163
P.M	1615	174

Daily	1615	174

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St W Of Bus 98
County: Bay
Start Date: 8-Mar-05

Station #: 3116
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	1	2	2	3	8	1	2	1	1	5	13
1:00	4	1	4	3	12	2	3	3	1	9	21
2:00	3	1	0	2	6	0	1	3	1	5	11
3:00	0	3	1	5	9	1	1	2	1	5	14
4:00	0	3	1	6	10	1	2	2	1	6	16
5:00	2	8	9	17	36	4	4	10	10	28	64
6:00	27	18	24	34	103	5	10	21	35	71	174
7:00	46	41	37	44	168	40	55	93	105	293	461
8:00	28	34	30	31	123	62	60	44	29	195	318
9:00	40	31	34	41	146	25	33	46	51	155	301
10:00	46	34	27	31	138	35	38	33	36	142	280
11:00	33	42	39	55	169	45	32	37	35	149	318
12:00	55	42	49	29	175	35	44	55	59	193	368
13:00	58	29	61	53	201	53	53	43	42	191	392
14:00	53	47	40	49	189	37	38	45	35	155	344
15:00	52	47	49	51	199	38	35	45	48	166	365
16:00	63	51	53	63	230	31	35	36	33	135	365
17:00	97	71	42	45	255	37	28	40	35	140	395
18:00	46	28	23	17	114	26	18	23	18	85	199
19:00	16	19	15	14	64	14	16	16	11	57	121
20:00	15	17	11	13	56	16	9	11	6	42	98
21:00	13	17	13	7	50	11	12	7	12	42	92
22:00	12	10	6	2	30	5	6	3	5	19	49
23:00	6	3	5	4	18	3	6	6	0	15	33
Total					2509					2303	4812

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	201
P.M	1630	284
Daily	1630	284

	Direction:	Westbound
	Hour	Volume
A.M	730	320
P.M	1230	220
Daily	730	320

	Direction:	Combined
	Hour	Volume
A.M	715	465
P.M	1630	418
Daily	715	465

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St W Of Bus 98
County: Bay
Start Date: 9-Mar-05

Station #: 3116
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	5	5	1	2	13	4	0	1	1	6	19
1:00	2	1	3	3	9	2	2	0	0	4	13
2:00	0	0	0	0	0	1	2	0	0	3	3
3:00	1	0	0	1	2	1	0	0	0	1	3
4:00	4	3	0	7	14	2	1	3	3	9	23
5:00	3	10	7	15	35	1	7	6	7	21	56
6:00	28	16	27	32	103	6	9	20	34	69	172
7:00	47	29	32	36	144	40	48	103	107	298	442
8:00	32	32	31	29	124	66	57	37	39	199	323
9:00	37	32	37	24	130	35	26	38	50	149	279
10:00	47	41	51	37	176	42	32	32	25	131	307
11:00	45	41	48	58	192	32	33	34	39	138	330
12:00	59	27	47	41	174	39	39	34	50	162	336
13:00	50	39	52	50	191	39	32	49	41	161	352
14:00	56	44	47	43	190	34	41	49	42	166	356
15:00	51	38	39	48	176	43	30	38	41	152	328
16:00	50	55	52	60	217	36	47	38	43	164	381
17:00	103	64	54	54	275	36	48	33	33	150	425
18:00	36	20	32	26	114	33	19	17	14	83	197
19:00	17	19	25	20	81	16	18	13	16	63	144
20:00	16	16	14	14	60	11	10	11	17	49	109
21:00	18	14	9	4	45	12	13	10	15	50	95
22:00	10	8	4	7	29	6	0	6	5	17	46
23:00	3	5	5	1	14	7	2	4	5	18	32
Total					2508					2263	4771

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1115	206
P.M	1645	281
Daily	1645	281

	Direction:	Westbound
	Hour	Volume
A.M	730	333
P.M	1415	175
Daily	730	333

	Direction:	Combined
	Hour	Volume
A.M	730	465
P.M	1630	444
Daily	730	465

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St W Of Bus 98
County: Bay
Start Date: 10-Mar-05

Station #: 3116
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	6	4	3	0	13	6	4	0	3	13	26
1:00	5	4	1	1	11	3	2	2	2	9	20
2:00	0	2	0	3	5	1	1	1	2	5	10
3:00	1	1	2	4	8	1	0	1	0	2	10
4:00	5	4	4	1	14	2	0	1	1	4	18
5:00	1	5	10	14	30	6	3	8	7	24	54
6:00	21	21	32	26	100	12	13	18	36	79	179
7:00	42	29	34	50	155	35	66	93	114	308	463
8:00	25	34	31	30	120	62	54	48	43	207	327
9:00	40	25	30	42	137	27	34	33	29	123	260
10:00	24	38	45	39	146	33	35	24	28	120	266
11:00	43	39	49	38	169	35	32	32	43	142	311
12:00	53	42	51	44	190	42	54	37	55	188	378
13:00	51	52	40	47	190	39	35	44	35	153	343
14:00	56	44	56	41	197	40	50	38	41	169	366
15:00	46	46	55	52	199	36	37	46	44	163	362
16:00	65	60	60	61	246	40	39	36	37	152	398
17:00	92	63	42	35	232	38	30	31	26	125	357
18:00	28	24	29	18	99	31	27	13	23	94	193
19:00	24	21	10	11	66	16	19	19	15	69	135
20:00	16	26	9	11	62	15	18	11	12	56	118
21:00	12	13	16	13	54	10	7	14	6	37	91
22:00	16	11	7	2	36	4	5	4	1	14	50
23:00	9	4	1	6	20	6	2	6	3	17	37
Total					2499					2273	4772

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	184
P.M	1630	276
Daily	1630	276

	Direction:	Westbound
	Hour	Volume
A.M	715	335
P.M	1200	188
Daily	715	335

	Direction:	Combined
	Hour	Volume
A.M	715	473
P.M	1615	423
Daily	715	473

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St W Of Cove Blvd
County: Bay
Start Date: 8-Mar-05

Station #: 3001
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	1	2	2	3	8	0	2	0	1	3	11
1:00	2	4	3	5	14	1	1	0	1	3	17
2:00	3	1	0	2	6	1	1	2	0	4	10
3:00	2	2	0	5	9	1	1	2	2	6	15
4:00	0	0	0	1	1	1	2	2	3	8	9
5:00	2	3	4	9	18	3	4	18	16	41	59
6:00	20	5	9	16	50	9	16	19	40	84	134
7:00	34	26	20	28	108	45	58	103	129	335	443
8:00	22	21	16	40	99	77	75	59	45	256	355
9:00	36	35	32	38	141	51	45	55	52	203	344
10:00	53	33	43	47	176	30	44	29	32	135	311
11:00	40	52	47	62	201	50	42	35	61	188	389
12:00	66	55	56	41	218	37	55	56	81	229	447
13:00	50	55	63	47	215	71	61	55	50	237	452
14:00	69	49	42	54	214	50	46	43	30	169	383
15:00	66	42	37	47	192	46	48	53	41	188	380
16:00	65	61	63	116	305	37	26	27	28	118	423
17:00	124	69	53	52	298	37	22	24	20	103	401
18:00	52	29	25	14	120	26	22	21	16	85	205
19:00	14	27	10	13	64	13	10	14	8	45	109
20:00	16	18	15	15	64	16	9	10	5	40	104
21:00	15	13	12	13	53	14	9	10	6	39	92
22:00	16	15	4	2	37	2	5	2	4	13	50
23:00	6	8	6	1	21	2	3	1	0	6	27
Total					2632					2538	5170

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	239
P.M	1630	372
Daily	1630	372

	Direction:	Westbound
	Hour	Volume
A.M	730	384
P.M	1230	269
Daily	730	384

	Direction:	Combined
	Hour	Volume
A.M	730	475
P.M	1630	486
Daily	1630	486

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St W Of Cove Blvd
County: Bay
Start Date: 9-Mar-05

Station #: 3001
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	4	3	2	2	11	3	0	1	0	4	15
1:00	2	2	2	1	7	0	2	0	0	2	9
2:00	1	2	0	1	4	1	2	1	1	5	9
3:00	3	0	0	0	3	0	0	1	0	1	4
4:00	2	2	1	0	5	2	2	1	3	8	13
5:00	3	1	3	8	15	3	4	17	13	37	52
6:00	21	5	14	12	52	9	16	20	37	82	134
7:00	28	9	35	24	96	43	72	119	129	363	459
8:00	17	28	28	35	108	98	93	49	33	273	381
9:00	37	37	32	40	146	44	47	42	55	188	334
10:00	39	42	62	35	178	51	31	37	31	150	328
11:00	55	58	58	71	242	31	41	43	46	161	403
12:00	63	49	44	38	194	53	54	44	67	218	412
13:00	46	44	40	56	186	48	39	62	50	199	385
14:00	65	44	58	59	226	44	43	40	30	157	383
15:00	51	45	44	52	192	48	33	38	38	157	349
16:00	49	54	71	108	282	37	30	29	33	129	411
17:00	120	78	45	48	291	27	29	28	19	103	394
18:00	30	21	32	24	107	25	13	10	14	62	169
19:00	17	29	19	20	85	19	10	17	15	61	146
20:00	18	11	8	10	47	12	12	6	4	34	81
21:00	16	12	8	8	44	9	10	5	14	38	82
22:00	12	9	11	8	40	4	6	5	4	19	59
23:00	4	6	3	2	15	5	5	2	3	15	30
Total					2576					2466	5042

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1115	250
P.M	1630	377
Daily	1630	377

	Direction:	Westbound
	Hour	Volume
A.M	730	439
P.M	1200	218
Daily	730	439

	Direction:	Combined
	Hour	Volume
A.M	730	543
P.M	1630	495
Daily	730	543

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 4th St W Of Cove Blvd
County: Bay
Start Date: 10-Mar-05

Station #: 3001
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	4	4	3	2	13	4	1	1	0	6	19
1:00	4	4	1	1	10	1	2	1	2	6	16
2:00	2	2	0	2	6	0	1	1	2	4	10
3:00	1	0	0	7	8	1	0	1	0	2	10
4:00	1	5	0	2	8	4	2	4	3	13	21
5:00	3	3	6	4	16	5	3	12	16	36	52
6:00	15	11	7	18	51	16	16	29	37	98	149
7:00	25	23	27	22	97	39	73	125	135	372	469
8:00	22	25	28	29	104	73	75	49	55	252	356
9:00	34	33	31	41	139	45	37	31	44	157	296
10:00	28	36	35	42	141	33	42	33	37	145	286
11:00	44	49	60	49	202	36	39	45	40	160	362
12:00	69	42	46	52	209	51	67	60	61	239	448
13:00	58	59	55	46	218	50	44	55	45	194	412
14:00	70	51	51	40	212	39	62	45	42	188	400
15:00	44	45	58	69	216	44	34	49	39	166	382
16:00	58	56	56	119	289	37	38	27	26	128	417
17:00	103	77	44	38	262	26	23	25	29	103	365
18:00	27	30	29	11	97	25	16	11	8	60	157
19:00	29	27	12	17	85	19	11	12	15	57	142
20:00	9	19	13	19	60	10	10	5	10	35	95
21:00	15	12	13	15	55	11	5	11	8	35	90
22:00	16	9	10	3	38	5	5	7	2	19	57
23:00	6	10	4	5	25	7	6	1	2	16	41
Total					2561					2491	5052

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1115	227
P.M	1630	355
Daily	1630	355

	Direction:	Westbound
	Hour	Volume
A.M	730	408
P.M	1200	239
Daily	730	408

	Direction:	Combined
	Hour	Volume
A.M	730	504
P.M	1630	457
Daily	730	504

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Jenks Ave N Of 6th St
County: Bay
Start Date: 8-Mar-05

Station #: 2701
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	1	2	1	0	4	5	4	5	0	14	18
1:00	0	0	0	2	2	2	10	1	1	14	16
2:00	0	1	4	2	7	3	1	2	5	11	18
3:00	3	3	5	3	14	4	1	1	1	7	21
4:00	4	1	2	6	13	2	3	0	2	7	20
5:00	6	4	8	18	36	1	3	8	10	22	58
6:00	7	14	27	31	79	19	18	22	25	84	163
7:00	44	48	58	62	212	37	39	61	90	227	439
8:00	44	40	43	56	183	65	62	65	66	258	441
9:00	51	54	52	65	222	65	69	66	73	273	495
10:00	56	53	58	59	226	72	65	73	83	293	519
11:00	70	75	73	74	292	90	79	83	105	357	649
12:00	60	57	74	81	272	70	75	76	77	298	570
13:00	78	61	52	64	255	89	79	67	74	309	564
14:00	63	60	74	74	271	69	74	86	70	299	570
15:00	67	60	58	53	238	94	67	65	69	295	533
16:00	51	65	62	65	243	75	84	71	100	330	573
17:00	99	62	48	39	248	100	59	61	55	275	523
18:00	36	14	27	25	102	41	44	38	36	159	261
19:00	18	11	19	16	64	26	29	18	18	91	155
20:00	17	16	5	7	45	21	26	20	13	80	125
21:00	11	5	5	3	24	20	19	10	11	60	84
22:00	9	8	4	7	28	7	5	10	8	30	58
23:00	2	4	2	2	10	8	8	2	3	21	31
Total					3090					3814	6904

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1100	292
P.M	1230	294
Daily	1230	294

	Direction:	Southbound
	Hour	Volume
A.M	1100	357
P.M	1615	355
Daily	1100	357

	Direction:	Combined
	Hour	Volume
A.M	1100	649
P.M	1615	646
Daily	1100	649

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Jenks Ave N Of 6th St
County: Bay
Start Date: 9-Mar-05

Station #: 2701
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	1	1	8	1	11	6	6	4	5	21	32
1:00	0	1	1	1	3	2	1	4	4	11	14
2:00	1	1	0	5	7	0	3	2	3	8	15
3:00	2	0	1	4	7	0	3	4	2	9	16
4:00	0	5	5	1	11	1	2	3	5	11	22
5:00	3	3	10	13	29	3	12	13	15	43	72
6:00	17	15	24	33	89	20	17	21	29	87	176
7:00	39	64	60	79	242	38	44	65	77	224	466
8:00	51	51	41	49	192	77	36	45	51	209	401
9:00	55	45	68	60	228	66	49	50	61	226	454
10:00	60	55	50	60	225	55	66	76	69	266	491
11:00	66	60	69	88	283	65	75	85	75	300	583
12:00	77	50	50	63	240	86	74	80	89	329	569
13:00	81	60	63	58	262	91	88	64	81	324	586
14:00	53	51	45	56	205	73	73	64	74	284	489
15:00	63	53	46	67	229	72	62	51	68	253	482
16:00	63	47	62	92	264	68	67	75	68	278	542
17:00	77	61	45	43	226	96	77	63	54	290	516
18:00	34	25	18	21	98	48	32	34	32	146	244
19:00	19	18	18	8	63	31	35	25	21	112	175
20:00	9	6	7	12	34	14	29	25	13	81	115
21:00	4	8	4	6	22	14	18	7	7	46	68
22:00	10	12	7	3	32	9	13	6	6	34	66
23:00	2	3	4	0	9	8	11	7	2	28	37
Total					3011					3620	6631

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1115	294
P.M	1630	292
Daily	1115	294

	Direction:	Southbound
	Hour	Volume
A.M	1115	321
P.M	1230	348
Daily	1230	348

	Direction:	Combined
	Hour	Volume
A.M	1115	615
P.M	1630	608
Daily	1115	615

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Jenks Ave N Of 6th St
County: Bay
Start Date: 10-Mar-05

Station #: 2701
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	4	0	4	3	11	5	3	6	2	16	27
1:00	3	1	1	3	8	1	0	2	0	3	11
2:00	0	1	1	2	4	0	2	1	2	5	9
3:00	3	2	1	3	9	3	3	5	3	14	23
4:00	2	4	4	0	10	2	1	6	6	15	25
5:00	2	13	10	10	35	1	2	14	12	29	64
6:00	8	19	24	30	81	16	18	23	35	92	173
7:00	43	44	62	67	216	40	49	68	78	235	451
8:00	50	58	53	42	203	60	61	50	70	241	444
9:00	41	57	69	65	232	53	52	47	76	228	460
10:00	73	48	60	65	246	75	51	59	82	267	513
11:00	73	67	63	63	266	81	70	67	60	278	544
12:00	58	47	65	61	231	74	57	90	83	304	535
13:00	69	63	71	52	255	72	78	71	68	289	544
14:00	58	53	66	59	236	83	87	66	71	307	543
15:00	83	56	57	69	265	68	72	71	62	273	538
16:00	65	72	62	96	295	61	82	70	76	289	584
17:00	84	51	43	35	213	88	66	67	40	261	474
18:00	35	19	27	29	110	46	40	33	38	157	267
19:00	21	22	12	15	70	23	41	27	24	115	185
20:00	11	11	12	6	40	24	18	18	19	79	119
21:00	6	9	7	7	29	20	26	14	4	64	93
22:00	5	4	7	3	19	9	2	14	4	29	48
23:00	7	3	4	1	15	7	7	0	5	19	34
Total					3099					3609	6708

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1045	268
P.M	1615	314
Daily	1615	314

	Direction:	Southbound
	Hour	Volume
A.M	1045	300
P.M	1230	323
Daily	1230	323

	Direction:	Combined
	Hour	Volume
A.M	1045	568
P.M	1615	630
Daily	1615	630

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Jenks Ave S Of 6th St
County: Bay
Start Date: 8-Mar-05

Station #: 2702
Start Time: 0:00

	Northbound					Southbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	0	1	0	1	2	4	0	1	1	6	8
1:00	0	0	0	3	3	2	3	0	0	5	8
2:00	0	1	0	1	2	3	0	0	2	5	7
3:00	2	0	1	3	6	0	0	1	1	2	8
4:00	2	0	0	4	6	0	0	0	0	0	6
5:00	1	0	4	10	15	0	1	3	4	8	23
6:00	2	7	17	10	36	6	9	17	17	49	85
7:00	19	19	27	34	99	27	35	37	80	179	278
8:00	27	29	23	36	115	49	48	48	45	190	305
9:00	35	42	42	52	171	46	42	44	50	182	353
10:00	41	42	52	42	177	48	51	41	70	210	387
11:00	46	64	51	52	213	67	53	56	65	241	454
12:00	43	39	50	68	200	56	61	54	45	216	416
13:00	54	35	37	36	162	64	59	53	49	225	387
14:00	41	40	49	45	175	49	46	53	52	200	375
15:00	50	36	44	39	169	75	48	37	49	209	378
16:00	33	55	38	54	180	45	51	38	54	188	368
17:00	77	44	26	28	175	40	36	30	32	138	313
18:00	23	10	12	16	61	25	28	23	20	96	157
19:00	10	7	13	8	38	17	16	12	11	56	94
20:00	7	13	3	6	29	7	16	14	12	49	78
21:00	5	4	2	5	16	12	13	6	5	36	52
22:00	7	4	4	5	20	5	2	8	3	18	38
23:00	1	5	1	2	9	8	6	2	1	17	26
Total					2079					2525	4604

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1100	213
P.M	1615	224
Daily	1615	224

	Direction:	Southbound
	Hour	Volume
A.M	1045	246
P.M	1430	228
Daily	1045	246

	Direction:	Combined
	Hour	Volume
A.M	1100	454
P.M	1215	435
Daily	1100	454

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Jenks Ave S Of 6th St
County: Bay
Start Date: 9-Mar-05
Station #: 2702
Start Time: 0:00

	Northbound					Southbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	0	0	1	0	1	3	4	0	2	9	10
1:00	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	1	1	0	3	0	3	6	7
3:00	0	0	1	2	3	0	0	0	1	1	4
4:00	0	4	4	1	9	0	2	0	1	3	12
5:00	1	0	5	7	13	2	1	4	8	15	28
6:00	7	9	8	14	38	6	9	13	17	45	83
7:00	16	23	31	39	109	24	27	52	72	175	284
8:00	33	28	22	33	116	62	28	36	38	164	280
9:00	39	42	39	49	169	50	35	43	47	175	344
10:00	45	51	32	46	174	41	48	56	51	196	370
11:00	46	42	52	62	202	51	57	67	60	235	437
12:00	60	47	47	47	201	69	53	58	66	246	447
13:00	67	42	42	43	194	64	58	46	51	219	413
14:00	41	41	37	41	160	59	47	52	49	207	367
15:00	44	27	24	50	145	46	42	44	38	170	315
16:00	43	36	49	63	191	45	40	44	46	175	366
17:00	64	51	28	26	169	54	34	32	21	141	310
18:00	28	15	9	10	62	25	22	18	20	85	147
19:00	10	8	7	3	28	19	14	12	9	54	82
20:00	4	3	4	8	19	7	25	11	7	50	69
21:00	2	3	4	4	13	7	10	5	6	28	41
22:00	6	6	2	2	16	5	9	2	2	18	34
23:00	0	0	1	0	1	4	3	5	1	13	14
Total					2034					2430	4464

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1130	221
P.M	1630	227
Daily	1630	227

	Direction:	Southbound
	Hour	Volume
A.M	1115	253
P.M	1200	246
Daily	1115	253

	Direction:	Combined
	Hour	Volume
A.M	1130	470
P.M	1215	449
Daily	1130	470

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Jenks Ave S Of 6th St
County: Bay
Start Date: 10-Mar-05

Station #: 2702
Start Time: 0:00

	Northbound					Southbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	3	1	0	3	7	2	3	1	0	6	13
1:00	1	1	0	0	2	1	0	1	0	2	4
2:00	0	1	1	0	2	0	1	0	1	2	4
3:00	1	0	0	0	1	2	0	0	2	4	5
4:00	2	2	1	0	5	0	1	2	0	3	8
5:00	0	4	4	5	13	2	1	0	4	7	20
6:00	4	11	6	11	32	7	6	11	22	46	78
7:00	15	21	31	36	103	23	31	43	76	173	276
8:00	25	31	30	28	114	47	47	37	36	167	281
9:00	28	46	45	46	165	45	46	41	52	184	349
10:00	45	40	47	44	176	58	55	52	62	227	403
11:00	55	49	45	43	192	62	45	52	43	202	394
12:00	46	39	45	44	174	61	45	57	65	228	402
13:00	52	56	43	36	187	55	54	55	41	205	392
14:00	42	39	55	44	180	57	68	43	55	223	403
15:00	45	41	38	43	167	57	65	40	59	221	388
16:00	46	51	53	64	214	52	41	49	41	183	397
17:00	69	31	24	19	143	54	40	47	24	165	308
18:00	23	7	19	9	58	29	23	20	14	86	144
19:00	16	8	6	11	41	15	22	21	12	70	111
20:00	8	7	7	4	26	22	11	10	8	51	77
21:00	9	8	4	2	23	13	15	11	2	41	64
22:00	3	2	1	3	9	8	1	6	3	18	27
23:00	6	2	1	1	10	6	6	0	1	13	23
Total					2044					2527	4571

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1030	195
P.M	1615	237
Daily	1615	237

	Direction:	Southbound
	Hour	Volume
A.M	1015	231
P.M	1230	231
Daily	1015	231

	Direction:	Combined
	Hour	Volume
A.M	1015	417
P.M	1230	428
Daily	1230	428

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Magnolia Ave S Of 4th St
County: Bay
Start Date: 1-Mar-05
Station #: 3104
Start Time: 0:00

	Northbound					Southbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	2	0	0	1	3	0	0	0	0	0	3
1:00	0	0	0	0	0	1	1	0	0	2	2
2:00	0	0	0	0	0	0	1	0	1	2	2
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	0	0	0	0
5:00	0	0	1	1	2	0	0	1	1	2	4
6:00	0	0	2	0	2	0	1	1	2	4	6
7:00	3	1	6	10	20	3	5	14	14	36	56
8:00	9	6	10	11	36	22	17	12	18	69	105
9:00	9	11	11	14	45	5	11	9	14	39	84
10:00	11	15	23	21	70	18	12	15	9	54	124
11:00	19	16	20	22	77	10	18	16	7	51	128
12:00	26	20	25	22	93	17	14	12	19	62	155
13:00	20	15	25	9	69	19	10	11	10	50	119
14:00	15	15	15	24	69	10	10	10	14	44	113
15:00	16	18	12	19	65	11	10	15	12	48	113
16:00	19	14	19	27	79	15	5	5	15	40	119
17:00	53	11	16	3	83	8	11	3	6	28	111
18:00	1	3	2	2	8	7	5	3	3	18	26
19:00	2	3	0	0	5	1	0	2	0	3	8
20:00	5	1	1	0	7	2	2	2	0	6	13
21:00	0	1	0	1	2	0	1	1	1	3	5
22:00	1	0	0	1	2	0	0	1	0	1	3
23:00	0	0	0	1	1	0	1	0	1	2	3
Total					738					564	1302

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1145	93
P.M	1615	113
Daily	1615	113

	Direction:	Southbound
	Hour	Volume
A.M	800	69
P.M	1215	64
Daily	800	69

	Direction:	Combined
	Hour	Volume
A.M	1145	143
P.M	1200	155
Daily	1200	155

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Magnolia Ave S Of 4th St
County: Bay
Start Date: 2-Mar-05
Station #: 3104
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	0	0	0	0	0	0	0	0	0	0
1:00	0	0	1	2	3	1	0	0	0	1	4
2:00	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	1	1	0	0	0	1	1	2
5:00	0	0	1	0	1	0	0	0	1	1	2
6:00	1	0	1	4	6	0	3	4	1	8	14
7:00	3	3	2	4	12	5	4	10	12	31	43
8:00	11	8	13	18	50	21	15	14	19	69	119
9:00	14	11	11	18	54	6	11	12	10	39	93
10:00	18	15	24	16	73	12	9	8	8	37	110
11:00	16	26	18	22	82	6	5	11	13	35	117
12:00	24	15	15	18	72	23	16	12	22	73	145
13:00	17	15	12	7	51	23	12	14	12	61	112
14:00	16	18	12	18	64	10	6	14	10	40	104
15:00	18	16	15	15	64	9	14	7	10	40	104
16:00	31	11	17	20	79	11	8	5	5	29	108
17:00	43	17	3	4	67	7	6	5	6	24	91
18:00	2	1	2	3	8	3	0	1	3	7	15
19:00	4	2	0	0	6	2	0	2	3	7	13
20:00	1	3	1	0	5	3	1	2	3	9	14
21:00	2	1	0	1	4	1	0	2	0	3	7
22:00	1	0	0	2	3	0	2	0	1	3	6
23:00	0	0	0	1	1	0	3	2	2	7	8
Total					706					525	1231

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1115	90
P.M	1630	97
Daily	1630	97

	Direction:	Southbound
	Hour	Volume
A.M	800	69
P.M	1200	73
Daily	1200	73

	Direction:	Combined
	Hour	Volume
A.M	1115	142
P.M	1200	145
Daily	1200	145

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Magnolia Ave S Of 4th St
County: Bay
Start Date: 3-Mar-05
Station #: 3104
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	2	1	1	4	1	0	0	0	1	5
1:00	0	1	0	0	1	2	0	0	0	2	3
2:00	0	0	0	1	1	0	0	0	0	0	1
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	1	0	1	2	0	2	0	1	3	5
5:00	0	0	1	1	2	0	0	0	1	1	3
6:00	0	1	2	1	4	0	1	3	2	6	10
7:00	3	2	1	2	8	0	3	13	13	29	37
8:00	7	6	13	3	29	17	22	14	12	65	94
9:00	8	25	14	7	54	10	10	13	7	40	94
10:00	10	17	20	13	60	11	7	15	9	42	102
11:00	13	31	19	24	87	11	17	10	17	55	142
12:00	21	17	28	18	84	14	16	11	15	56	140
13:00	18	11	17	9	55	7	16	9	10	42	97
14:00	14	16	12	20	62	16	11	13	9	49	111
15:00	28	17	20	10	75	12	12	11	16	51	126
16:00	16	14	20	16	66	8	7	8	9	32	98
17:00	42	18	7	6	73	7	6	7	10	30	103
18:00	3	2	2	7	14	7	1	5	2	15	29
19:00	0	1	0	0	1	6	8	4	2	20	21
20:00	3	1	0	1	5	5	2	1	0	8	13
21:00	4	3	5	1	13	1	2	1	0	4	17
22:00	1	0	8	2	11	0	0	1	0	1	12
23:00	0	0	0	2	2	1	0	0	0	1	3
Total					713					553	1266

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1115	95
P.M	1630	96
Daily	1630	96

	Direction:	Southbound
	Hour	Volume
A.M	745	66
P.M	1200	56
Daily	745	66

	Direction:	Combined
	Hour	Volume
A.M	1115	153
P.M	1200	140
Daily	1115	153

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 3rd Ct W Of Mckenzie Ave
County: Bay
Start Date: 1-Mar-05
Station #: 3103
Start Time: 12:00

	Eastbound					Westbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	0	0	0	0	0	0	0	1	0	1	1
1:00	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	1	0	0	1	1
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	1	0	1	1
6:00	0	3	2	0	5	2	1	1	3	7	12
7:00	1	2	12	10	25	7	5	7	9	28	53
8:00	16	13	14	6	49	15	34	20	45	114	163
9:00	7	8	10	15	40	48	28	22	32	130	170
10:00	6	10	12	7	35	36	42	61	24	163	198
11:00	8	7	4	7	26	41	51	29	28	149	175
12:00	8	11	10	16	45	35	24	39	30	128	173
13:00	17	8	5	14	44	34	18	33	25	110	154
14:00	14	12	17	11	54	37	27	42	41	147	201
15:00	8	9	7	3	27	32	21	18	36	107	134
16:00	8	10	5	8	31	43	52	32	44	171	202
17:00	7	4	2	1	14	55	17	26	6	104	118
18:00	2	3	3	2	10	2	5	3	4	14	24
19:00	2	1	0	0	3	3	3	0	2	8	11
20:00	3	1	0	0	4	1	0	0	0	1	5
21:00	2	0	0	0	2	1	0	2	0	3	5
22:00	1	0	1	0	2	1	0	0	0	1	3
23:00	0	0	0	0	0	0	0	0	0	0	0
Total					416					1388	1804

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	745	53
P.M	1345	57
Daily	1345	57

	Direction:	Westbound
	Hour	Volume
A.M	1030	177
P.M	1615	183
Daily	1615	183

	Direction:	Combined
	Hour	Volume
A.M	945	214
P.M	1615	213
Daily	945	214

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 3rd Ct W Of Mckenzie Ave
County: Escambia
Start Date: 2-Mar-05

Station #: 3103
Start Time: 12:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	0	0	0	0	0	0	0	0	0
1:00	1	0	0	1	2	0	1	0	0	1	3
2:00	0	0	2	0	2	0	0	0	2	2	4
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	1	0	0	1	1
5:00	0	1	0	0	1	1	0	1	1	3	4
6:00	0	0	2	0	2	0	2	1	2	5	7
7:00	0	3	4	11	18	4	2	4	8	18	36
8:00	10	19	10	3	42	14	13	23	8	58	100
9:00	7	5	5	5	22	20	28	27	23	98	120
10:00	5	7	8	8	28	24	31	36	28	119	147
11:00	6	8	8	13	35	34	48	36	31	149	184
12:00	9	14	12	10	45	40	26	40	20	126	171
13:00	16	11	10	10	47	26	31	23	20	100	147
14:00	5	6	9	9	29	32	22	21	42	117	146
15:00	3	6	7	8	24	27	36	13	22	98	122
16:00	8	4	4	10	26	48	21	18	43	130	156
17:00	3	5	2	2	12	50	18	5	2	75	87
18:00	3	1	2	2	8	2	4	1	7	14	22
19:00	2	0	1	2	5	1	1	1	0	3	8
20:00	1	0	0	1	2	1	3	0	1	5	7
21:00	2	0	1	2	5	4	0	0	1	5	10
22:00	0	1	0	0	1	1	1	0	0	2	3
23:00	0	0	0	0	0	0	0	0	0	0	0
Total					356					1129	1485

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	745	50
P.M	1215	52
Daily	1215	52

	Direction:	Westbound
	Hour	Volume
A.M	1115	155
P.M	1615	132
Daily	1115	155

	Direction:	Combined
	Hour	Volume
A.M	1115	193
P.M	1200	171
Daily	1115	193

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 3rd Ct W Of Mckenzie Ave
County: Escambia
Start Date: 3-Mar-05

Station #: 3103
Start Time: 12:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	0	0	0	0	0	0	0	0	0	0	0
1:00	1	1	0	0	2	0	0	0	0	0	2
2:00	0	0	0	0	0	0	0	0	0	0	0
3:00	0	2	0	0	2	0	0	0	0	0	2
4:00	0	0	0	0	0	0	0	0	3	3	3
5:00	0	0	0	0	0	1	0	0	1	2	2
6:00	0	1	0	0	1	1	0	1	2	4	5
7:00	1	1	7	10	19	1	7	5	6	19	38
8:00	12	16	13	8	49	9	12	28	20	69	118
9:00	10	10	8	8	36	37	30	24	33	124	160
10:00	13	7	12	7	39	55	34	38	37	164	203
11:00	8	9	11	8	36	31	51	51	55	188	224
12:00	12	7	13	16	48	64	21	43	25	153	201
13:00	14	15	11	6	46	42	20	41	32	135	181
14:00	11	8	8	9	36	35	30	16	30	111	147
15:00	10	5	10	10	35	42	46	49	42	179	214
16:00	7	6	10	5	28	39	41	35	46	161	189
17:00	7	5	2	1	15	51	25	11	6	93	108
18:00	3	1	3	3	10	6	4	3	10	23	33
19:00	1	3	1	0	5	3	4	1	0	8	13
20:00	0	1	1	3	5	1	1	1	4	7	12
21:00	1	0	5	0	6	2	5	1	0	8	14
22:00	0	0	8	1	9	1	0	0	0	1	10
23:00	0	1	1	0	2	0	0	0	0	0	2
Total					429					1452	1881

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	745	51
P.M	1230	58
Daily	1230	58

	Direction:	Westbound
	Hour	Volume
A.M	1115	221
P.M	1500	179
Daily	1115	221

	Direction:	Combined
	Hour	Volume
A.M	1115	261
P.M	1500	214
Daily	1115	261

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Luverne Ave N Of Beach Dr
County: Bay
Start Date: 1-Mar-05

Station #: 3101
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	0	0	1	1	6	2	1	0	9	10
1:00	0	0	0	0	0	3	0	0	2	5	5
2:00	0	0	0	0	0	0	1	0	1	2	2
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	1	0	0	0	1	0	0	0	0	0	1
5:00	0	0	0	2	2	0	1	1	0	2	4
6:00	0	3	2	3	8	0	0	0	7	7	15
7:00	5	9	13	18	45	6	7	11	13	37	82
8:00	8	19	10	2	39	9	11	14	10	44	83
9:00	4	9	7	10	30	12	17	7	25	61	91
10:00	9	6	11	11	37	4	16	15	11	46	83
11:00	11	5	11	6	33	15	16	24	21	76	109
12:00	11	11	12	23	57	28	12	13	12	65	122
13:00	19	7	7	10	43	14	9	12	7	42	85
14:00	9	8	7	10	34	13	15	18	17	63	97
15:00	10	9	10	11	40	20	15	16	12	63	103
16:00	3	12	9	6	30	20	19	11	24	74	104
17:00	4	6	3	2	15	29	25	18	12	84	99
18:00	7	5	7	3	22	15	11	11	5	42	64
19:00	3	5	1	1	10	6	7	0	1	14	24
20:00	6	2	1	1	10	10	4	14	0	28	38
21:00	2	1	1	2	6	0	3	4	4	11	17
22:00	4	1	5	1	11	7	5	6	1	19	30
23:00	0	1	0	2	3	0	0	0	3	3	6
Total					477					797	1274

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	730	58
P.M	1215	65
Daily	1215	65

	Direction:	Southbound
	Hour	Volume
A.M	1115	89
P.M	1645	96
Daily	1645	96

	Direction:	Combined
	Hour	Volume
A.M	1130	124
P.M	1200	122
Daily	1130	124

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Luverne Ave N Of Beach Dr
County: Bay
Start Date: 2-Mar-05
Station #: 3101
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	0	0	2	0	2	0	0	2	0	2	4
1:00	0	0	0	1	1	0	3	0	0	3	4
2:00	0	0	0	0	0	2	0	0	0	2	2
3:00	0	0	0	0	0	1	0	0	0	1	1
4:00	0	1	0	0	1	0	2	0	0	2	3
5:00	0	0	1	0	1	0	1	1	0	2	3
6:00	1	1	3	3	8	2	5	3	2	12	20
7:00	2	5	12	18	37	10	7	8	13	38	75
8:00	15	8	18	7	48	13	21	21	7	62	110
9:00	7	7	12	8	34	15	14	17	14	60	94
10:00	9	5	12	13	39	9	17	16	13	55	94
11:00	10	14	6	6	36	14	12	16	14	56	92
12:00	11	8	8	19	46	37	18	16	15	86	132
13:00	9	14	15	7	45	16	18	14	16	64	109
14:00	10	13	7	9	39	10	13	12	10	45	84
15:00	11	8	7	11	37	7	12	13	11	43	80
16:00	9	5	3	6	23	14	12	8	16	50	73
17:00	5	4	7	3	19	18	17	20	4	59	78
18:00	2	2	2	3	9	5	5	11	9	30	39
19:00	1	1	1	3	6	5	7	2	6	20	26
20:00	2	0	0	2	4	4	7	5	2	18	22
21:00	4	1	4	0	9	5	1	5	5	16	25
22:00	2	1	2	2	7	3	2	1	3	9	16
23:00	0	2	0	1	3	0	2	2	1	5	8
Total					454					740	1194

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	745	59
P.M	1245	57
Daily	745	59

	Direction:	Southbound
	Hour	Volume
A.M	1130	85
P.M	1200	86
Daily	1200	86

	Direction:	Combined
	Hour	Volume
A.M	745	127
P.M	1200	132
Daily	1200	132

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Luverne Ave N Of Beach Dr
County: Bay
Start Date: 3-Mar-05

Station #: 3101
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	1	0	2	1	4	1	0	0	1	2	6
1:00	2	0	0	1	3	2	1	0	1	4	7
2:00	1	0	0	0	1	3	0	0	2	5	6
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	2	0	0	2	0	3	0	0	3	5
5:00	0	0	1	1	2	1	0	1	2	4	6
6:00	0	2	3	4	9	0	1	4	2	7	16
7:00	2	11	6	16	35	3	5	8	5	21	56
8:00	11	18	9	4	42	8	16	11	11	46	88
9:00	13	10	5	8	36	16	13	13	13	55	91
10:00	4	9	6	10	29	14	15	16	9	54	83
11:00	5	6	11	15	37	8	11	18	23	60	97
12:00	8	5	12	19	44	19	15	19	16	69	113
13:00	15	10	10	3	38	9	18	15	20	62	100
14:00	5	11	8	10	34	17	16	17	10	60	94
15:00	12	5	6	7	30	19	16	13	13	61	91
16:00	2	4	6	6	18	14	8	11	24	57	75
17:00	2	9	0	4	15	25	16	17	16	74	89
18:00	4	4	5	2	15	11	6	11	10	38	53
19:00	4	7	0	2	13	29	9	5	7	50	63
20:00	1	1	2	3	7	1	5	5	2	13	20
21:00	1	5	1	1	8	6	5	6	4	21	29
22:00	1	6	34	6	47	2	0	14	2	18	65
23:00	0	3	1	1	5	0	5	5	2	12	17
Total					474					796	1270

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	745	54
P.M	1230	56
Daily	1230	56

	Direction:	Southbound
	Hour	Volume
A.M	1145	76
P.M	1645	82
Daily	1645	82

	Direction:	Combined
	Hour	Volume
A.M	1145	116
P.M	1230	118
Daily	1230	118

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Luverne Ave N Of 3rd Ct
County: Bay
Start Date: 1-Mar-05

Station #: 3102
Start Time: 12:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	0	3	0	3	0	0	1	0	1	4
1:00	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	1	1	0	0	2	2
4:00	0	0	0	0	0	0	0	0	0	0	0
5:00	0	0	0	1	1	0	1	0	0	1	2
6:00	1	0	0	0	1	0	0	0	1	1	2
7:00	3	1	3	5	12	0	4	2	4	10	22
8:00	5	7	10	19	41	3	1	3	0	7	48
9:00	9	11	8	17	45	2	5	4	7	18	63
10:00	9	9	14	10	42	2	3	3	1	9	51
11:00	10	11	9	10	40	2	2	3	3	10	50
12:00	10	9	5	11	35	5	4	1	7	17	52
13:00	15	10	8	8	41	3	1	5	3	12	53
14:00	19	13	11	8	51	0	2	3	0	5	56
15:00	16	9	10	14	49	1	2	0	2	5	54
16:00	12	8	10	4	34	2	3	1	2	8	42
17:00	9	4	7	2	22	1	2	2	1	6	28
18:00	6	3	2	2	13	2	2	1	0	5	18
19:00	0	1	0	1	2	2	1	0	0	3	5
20:00	1	1	1	1	4	0	0	2	1	3	7
21:00	2	3	1	0	6	0	4	1	0	5	11
22:00	0	1	1	0	2	0	0	0	0	0	2
23:00	1	0	0	1	2	0	0	0	0	0	2
Total					446					128	574

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	830	49
P.M	1345	51
Daily	1345	51

	Direction:	Southbound
	Hour	Volume
A.M	900	18
P.M	1200	17
Daily	900	18

	Direction:	Combined
	Hour	Volume
A.M	945	64
P.M	1245	60
Daily	945	64

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Luverne Ave N Of 3rd Ct
County: Bay
Start Date: 2-Mar-05

Station #: 3102
Start Time: 12:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	0	1	0	1	0	0	0	0	0	1
1:00	1	1	0	0	2	0	0	0	0	0	2
2:00	2	0	0	0	2	0	0	2	0	2	4
3:00	0	1	0	1	2	0	0	0	0	0	2
4:00	0	1	0	0	1	0	0	0	0	0	1
5:00	0	0	0	1	1	0	0	0	2	2	3
6:00	0	2	1	0	3	0	0	0	0	0	3
7:00	2	1	6	4	13	0	0	5	4	9	22
8:00	6	6	10	3	25	2	5	2	3	12	37
9:00	10	5	5	13	33	1	1	3	3	8	41
10:00	6	12	9	13	40	5	6	3	1	15	55
11:00	13	11	14	10	48	1	1	2	2	6	54
12:00	9	12	13	10	44	9	3	6	2	20	64
13:00	3	10	10	9	32	2	1	2	7	12	44
14:00	10	4	5	14	33	0	0	2	1	3	36
15:00	7	7	4	12	30	1	1	1	2	5	35
16:00	14	3	3	4	24	4	1	0	3	8	32
17:00	6	3	5	1	15	2	1	1	1	5	20
18:00	1	2	1	1	5	1	0	0	2	3	8
19:00	0	0	0	1	1	0	1	1	0	2	3
20:00	1	1	0	1	3	2	1	0	0	3	6
21:00	1	1	1	0	3	0	0	1	1	2	5
22:00	1	0	1	2	4	2	1	0	1	4	8
23:00	0	0	0	0	0	0	0	0	0	0	0
Total					365					121	486

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1045	51
P.M	1200	44
Daily	1045	51

	Direction:	Southbound
	Hour	Volume
A.M	1145	20
P.M	1200	20
Daily	1145	20

	Direction:	Combined
	Hour	Volume
A.M	1145	64
P.M	1200	64
Daily	1145	64

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Luverne Ave N Of 3rd Ct
County: Bay
Start Date: 3-Mar-05
Station #: 3102
Start Time: 12:00

	Northbound					Southbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	0	1	3	1	5	0	0	0	1	1	6
1:00	0	0	0	1	1	0	3	0	0	3	4
2:00	0	0	1	0	1	0	0	0	0	0	1
3:00	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	2	2	0	0	0	0	0	2
5:00	0	1	0	1	2	0	0	0	0	0	2
6:00	1	1	0	1	3	0	0	2	0	2	5
7:00	2	3	4	10	19	2	1	1	3	7	26
8:00	6	4	3	2	15	2	3	4	2	11	26
9:00	8	11	11	8	38	3	0	5	2	10	48
10:00	17	12	5	12	46	4	3	3	3	13	59
11:00	8	17	13	10	48	4	3	5	3	15	63
12:00	18	11	10	6	45	4	1	3	3	11	56
13:00	13	7	11	9	40	4	4	7	2	17	57
14:00	8	11	9	5	33	1	3	1	2	7	40
15:00	15	15	9	12	51	2	1	3	2	8	59
16:00	10	8	16	9	43	0	1	3	2	6	49
17:00	4	4	4	3	15	4	4	3	3	14	29
18:00	5	1	5	1	12	3	2	1	2	8	20
19:00	3	1	0	3	7	9	3	2	0	14	21
20:00	2	1	1	0	4	0	0	0	2	2	6
21:00	4	0	0	0	4	0	1	0	0	1	5
22:00	2	0	25	3	30	3	0	1	1	5	35
23:00	0	1	0	4	5	0	2	1	1	4	9
Total					469					159	628

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	1115	58
P.M	1500	51
Daily	1115	58

	Direction:	Southbound
	Hour	Volume
A.M	1045	15
P.M	1245	18
Daily	1245	18

	Direction:	Combined
	Hour	Volume
A.M	1115	73
P.M	1500	59
Daily	1115	73

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St E Of Harrison Ave
County: Bay
Start Date: 15-Mar-05

Station #: 2804
Start Time: 0:00

	Eastbound					Westbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	2	5	2	11	20	7	7	11	9	34	54
1:00	3	3	6	4	16	4	6	1	3	14	30
2:00	2	4	1	9	16	2	2	1	3	8	24
3:00	1	3	8	1	13	2	4	5	6	17	30
4:00	3	3	7	3	16	11	12	12	5	40	56
5:00	6	21	29	36	92	12	29	28	33	102	194
6:00	43	76	86	102	307	68	78	97	107	350	657
7:00	113	117	99	129	458	132	179	213	200	724	1182
8:00	99	96	106	108	409	128	149	114	114	505	914
9:00	81	96	87	104	368	111	110	126	102	449	817
10:00	100	100	124	110	434	106	100	106	123	435	869
11:00	105	130	104	117	456	102	118	114	114	448	904
12:00	126	116	106	121	469	111	104	141	129	485	954
13:00	128	101	131	137	497	106	101	125	105	437	934
14:00	150	145	136	153	584	122	129	136	149	536	1120
15:00	116	167	167	159	609	144	131	138	136	549	1158
16:00	177	149	175	161	662	128	149	137	143	557	1219
17:00	198	159	123	110	590	130	86	85	92	393	983
18:00	89	92	69	66	316	79	72	58	57	266	582
19:00	72	38	51	41	202	43	56	43	47	189	391
20:00	44	35	29	37	145	39	38	33	38	148	293
21:00	39	38	36	17	130	27	18	22	24	91	221
22:00	19	17	9	16	61	15	21	11	7	54	115
23:00	12	8	13	6	39	9	6	13	10	38	77
Total					6909					6869	13778

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1115	477
P.M	1630	693
Daily	1630	693

	Direction:	Westbound
	Hour	Volume
A.M	700	724
P.M	1445	562
Daily	700	724

	Direction:	Combined
	Hour	Volume
A.M	700	1182
P.M	1615	1242
Daily	1615	1242

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St E Of Harrison Ave
County: Bay
Start Date: 16-Mar-05

Station #: 2804
Start Time: 0:00

	Eastbound					Westbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	4	3	5	6	18	3	7	0	7	17	35
1:00	4	9	6	2	21	2	3	2	5	12	33
2:00	2	3	2	5	12	8	3	2	2	15	27
3:00	3	3	6	5	17	5	2	2	9	18	35
4:00	2	1	5	5	13	8	8	4	7	27	40
5:00	5	25	28	32	90	8	24	33	41	106	196
6:00	49	50	83	100	282	45	80	82	103	310	592
7:00	96	109	100	127	432	129	153	151	184	617	1049
8:00	129	88	80	87	384	136	114	83	109	442	826
9:00	89	100	79	107	375	85	102	104	75	366	741
10:00	88	114	91	75	368	104	90	83	100	377	745
11:00	103	84	119	111	417	89	98	90	132	409	826
12:00	112	118	107	114	451	112	92	89	91	384	835
13:00	131	125	118	108	482	109	116	117	123	465	947
14:00	122	100	112	102	436	112	125	106	116	459	895
15:00	139	156	153	138	586	135	103	133	147	518	1104
16:00	154	118	153	154	579	135	127	144	140	546	1125
17:00	174	137	139	99	549	142	130	105	102	479	1028
18:00	73	83	69	68	293	104	71	57	71	303	596
19:00	86	67	45	49	247	62	53	31	38	184	431
20:00	48	48	34	30	160	42	48	30	36	156	316
21:00	31	38	42	37	148	28	26	21	28	103	251
22:00	23	14	16	19	72	30	19	20	10	79	151
23:00	12	11	11	13	47	5	8	12	14	39	86
Total					6479					6431	12910

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	715	465
P.M	1630	618
Daily	1630	618

	Direction:	Westbound
	Hour	Volume
A.M	715	624
P.M	1630	556
Daily	715	624

	Direction:	Combined
	Hour	Volume
A.M	715	1089
P.M	1630	1174
Daily	1630	1174

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St E Of Harrison Ave
County: Bay
Start Date: 17-Mar-05

Station #: 2804
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	17	5	4	4	30	12	6	8	5	31	61
1:00	10	7	2	6	25	9	1	7	3	20	45
2:00	3	3	2	2	10	3	3	4	7	17	27
3:00	3	2	12	6	23	5	5	5	5	20	43
4:00	7	8	6	11	32	4	8	6	11	29	61
5:00	7	16	23	35	81	17	25	36	41	119	200
6:00	39	62	67	94	262	50	56	98	114	318	580
7:00	89	136	103	138	466	139	161	201	185	686	1152
8:00	82	121	87	86	376	141	107	106	95	449	825
9:00	91	75	97	83	346	106	105	98	99	408	754
10:00	84	95	86	104	369	105	92	80	119	396	765
11:00	92	96	110	124	422	95	130	104	117	446	868
12:00	128	116	102	129	475	112	112	113	102	439	914
13:00	126	131	123	127	507	97	119	104	99	419	926
14:00	110	154	118	128	510	120	113	122	126	481	991
15:00	135	159	141	151	586	135	167	147	130	579	1165
16:00	134	140	162	156	592	135	121	116	146	518	1110
17:00	206	166	143	100	615	143	117	117	99	476	1091
18:00	115	85	79	73	352	83	87	58	62	290	642
19:00	61	48	60	48	217	44	54	41	44	183	400
20:00	52	48	42	32	174	54	32	29	43	158	332
21:00	36	46	34	20	136	23	23	30	29	105	241
22:00	22	30	21	19	92	26	14	24	16	80	172
23:00	17	19	14	12	62	25	13	8	7	53	115
Total					6760					6720	13480

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1130	478
P.M	1630	690
Daily	1630	690

	Direction:	Westbound
	Hour	Volume
A.M	715	688
P.M	1500	579
Daily	715	688

	Direction:	Combined
	Hour	Volume
A.M	700	1152
P.M	1630	1212
Daily	1630	1212

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: MLK Blvd N Of Bus. 98
County: Bay
Start Date: 15-Mar-05

Station #: 2901
Start Time: 0:00

	Northbound					Southbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	6	4	11	4	25	12	7	8	3	30	55
1:00	3	6	4	4	17	3	9	4	9	25	42
2:00	7	3	2	3	15	8	2	3	5	18	33
3:00	3	4	7	5	19	2	6	5	2	15	34
4:00	7	4	20	17	48	15	11	3	12	41	89
5:00	19	20	30	30	99	10	12	20	31	73	172
6:00	53	83	90	100	326	37	52	77	101	267	593
7:00	142	195	168	145	650	124	128	140	166	558	1208
8:00	105	111	115	91	422	120	119	90	88	417	839
9:00	121	100	97	125	443	125	92	100	115	432	875
10:00	93	110	106	97	406	83	105	98	115	401	807
11:00	128	128	110	115	481	117	111	128	143	499	980
12:00	174	109	110	135	528	142	129	104	116	491	1019
13:00	142	134	110	131	517	131	129	124	128	512	1029
14:00	134	150	117	145	546	128	123	168	145	564	1110
15:00	133	110	133	120	496	150	155	137	131	573	1069
16:00	105	103	98	128	434	150	123	121	110	504	938
17:00	167	113	94	94	468	165	123	119	104	511	979
18:00	74	85	90	74	323	107	71	78	68	324	647
19:00	65	53	49	38	205	69	69	57	38	233	438
20:00	56	41	36	24	157	60	50	57	66	233	390
21:00	28	25	20	21	94	32	46	31	42	151	245
22:00	21	17	14	14	66	21	31	33	19	104	170
23:00	8	9	7	5	29	22	13	7	16	58	87
Total					6814					7034	13848

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	700	650
P.M	1400	546
Daily	700	650

	Direction:	Southbound
	Hour	Volume
A.M	700	558
P.M	1430	618
Daily	1430	618

	Direction:	Combined
	Hour	Volume
A.M	700	1208
P.M	1415	1131
Daily	700	1208

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: MLK Blvd N Of Bus. 98
County: Bay
Start Date: 16-Mar-05

Station #: 2901
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	6	6	6	6	24	6	4	6	4	20	44
1:00	3	5	3	5	16	5	7	6	7	25	41
2:00	4	5	0	7	16	5	7	2	4	18	34
3:00	8	6	4	3	21	2	2	6	2	12	33
4:00	4	1	14	14	33	7	9	6	10	32	65
5:00	21	18	24	39	102	8	17	24	25	74	176
6:00	55	53	79	94	281	39	43	61	79	222	503
7:00	134	182	140	183	639	85	120	125	141	471	1110
8:00	97	121	91	100	409	145	100	101	107	453	862
9:00	102	107	84	129	422	112	91	91	101	395	817
10:00	95	100	95	106	396	92	90	92	107	381	777
11:00	98	96	115	143	452	79	113	118	125	435	887
12:00	129	100	107	110	446	120	130	102	115	467	913
13:00	106	112	101	97	416	119	112	132	133	496	912
14:00	118	128	115	129	490	118	119	172	128	537	1027
15:00	149	114	136	115	514	136	139	136	137	548	1062
16:00	127	114	128	132	501	138	149	126	135	548	1049
17:00	152	138	98	76	464	164	156	112	118	550	1014
18:00	76	91	80	69	316	110	79	99	96	384	700
19:00	85	56	38	39	218	85	65	53	62	265	483
20:00	61	36	57	46	200	68	62	60	63	253	453
21:00	36	33	26	40	135	39	44	49	28	160	295
22:00	36	18	15	10	79	29	33	28	22	112	191
23:00	13	11	7	14	45	27	12	14	12	65	110
Total					6635					6923	13558

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	700	639
P.M	1630	550
Daily	700	639

	Direction:	Southbound
	Hour	Volume
A.M	715	531
P.M	1630	581
Daily	1630	581

	Direction:	Combined
	Hour	Volume
A.M	715	1133
P.M	1630	1131
Daily	715	1133

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: MLK Blvd N Of Bus. 98
County: Bay
Start Date: 17-Mar-05

Station #: 2901
Start Time: 0:00

	Northbound					Southbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	6	7	6	4	23	8	9	7	9	33	56
1:00	10	7	5	8	30	7	6	5	7	25	55
2:00	5	10	2	0	17	7	2	5	4	18	35
3:00	6	2	6	5	19	8	2	6	3	19	38
4:00	6	5	16	22	49	6	10	10	7	33	82
5:00	15	18	35	41	109	6	12	26	27	71	180
6:00	48	68	76	94	286	34	37	57	100	228	514
7:00	136	179	145	158	618	91	130	151	132	504	1122
8:00	125	111	94	91	421	145	97	98	93	433	854
9:00	114	104	113	132	463	105	92	92	87	376	839
10:00	78	104	97	101	380	93	81	92	101	367	747
11:00	107	98	130	112	447	99	125	153	142	519	966
12:00	159	112	131	124	526	123	123	124	99	469	995
13:00	118	110	115	132	475	134	131	130	124	519	994
14:00	138	131	143	133	545	135	143	155	134	567	1112
15:00	124	127	135	131	517	162	155	148	119	584	1101
16:00	118	117	126	136	497	131	129	130	141	531	1028
17:00	163	125	109	103	500	175	128	134	109	546	1046
18:00	103	74	68	75	320	101	112	75	82	370	690
19:00	61	43	50	57	211	70	87	81	54	292	503
20:00	48	33	35	41	157	85	47	54	55	241	398
21:00	44	35	15	28	122	54	66	36	41	197	319
22:00	29	32	18	24	103	43	19	33	25	120	223
23:00	14	19	13	12	58	32	16	16	15	79	137
Total					6893					7141	14034

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	700	618
P.M	1630	550
Daily	700	618

	Direction:	Southbound
	Hour	Volume
A.M	715	558
P.M	1430	606
Daily	1430	606

	Direction:	Combined
	Hour	Volume
A.M	715	1165
P.M	1430	1133
Daily	715	1165

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St W Of Cone Ave
County: Bay
Start Date: 15-Mar-05

Station #: 3111
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	4	5	0	10	19	5	10	9	9	33	52
1:00	3	5	6	3	17	4	6	2	2	14	31
2:00	4	4	1	8	17	2	2	2	1	7	24
3:00	1	4	4	1	10	3	4	4	9	20	30
4:00	3	1	7	3	14	10	11	12	5	38	52
5:00	5	19	30	41	95	16	32	34	44	126	221
6:00	51	72	84	102	309	66	91	112	115	384	693
7:00	109	114	103	109	435	154	223	235	223	835	1270
8:00	90	105	89	104	388	152	145	128	123	548	936
9:00	72	103	87	117	379	139	123	115	107	484	863
10:00	103	102	99	107	411	107	108	111	114	440	851
11:00	116	131	107	127	481	120	138	107	113	478	959
12:00	138	111	113	118	480	117	123	140	160	540	1020
13:00	131	104	133	148	516	123	114	125	118	480	996
14:00	157	143	144	175	619	162	149	160	146	617	1236
15:00	122	178	177	144	621	169	147	155	152	623	1244
16:00	188	181	174	172	715	145	150	154	145	594	1309
17:00	226	157	137	121	641	122	123	95	102	442	1083
18:00	100	92	73	67	332	85	80	76	59	300	632
19:00	73	47	57	41	218	58	56	51	47	212	430
20:00	46	40	32	41	159	41	37	23	38	139	298
21:00	42	38	35	19	134	26	25	17	25	93	227
22:00	23	16	14	14	67	14	21	9	8	52	119
23:00	13	8	13	5	39	8	10	11	10	39	78
Total					7116					7538	14654

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1115	503
P.M	1615	753
Daily	1615	753

	Direction:	Westbound
	Hour	Volume
A.M	700	835
P.M	1415	624
Daily	700	835

	Direction:	Combined
	Hour	Volume
A.M	700	1270
P.M	1615	1324
Daily	1615	1324

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St W Of Cone Ave
County: Bay
Start Date: 16-Mar-05

Station #: 3111
Start Time: 0:00

Time	Eastbound 1st	Eastbound 2nd	Eastbound 3rd	Eastbound 4th	Eastbound Hour Tot.	Westbound 1st	Westbound 2nd	Westbound 3rd	Westbound 4th	Westbound Hour Tot.	Combined Total
0:00	5	4	4	8	21	4	5	2	5	16	37
1:00	3	5	7	1	16	8	1	3	8	20	36
2:00	2	3	2	4	11	6	4	1	2	13	24
3:00	3	5	5	5	18	6	1	3	8	18	36
4:00	3	3	5	5	16	6	7	6	6	25	41
5:00	5	22	30	37	94	11	29	43	38	121	215
6:00	47	50	88	78	263	59	82	100	128	369	632
7:00	100	110	101	98	409	137	178	186	214	715	1124
8:00	108	65	71	77	321	168	125	103	107	503	824
9:00	97	85	90	90	362	104	113	111	111	439	801
10:00	100	99	74	79	352	116	101	87	103	407	759
11:00	101	84	129	106	420	104	100	113	111	428	848
12:00	114	105	104	105	428	129	115	113	96	453	881
13:00	110	109	106	115	440	129	119	133	133	514	954
14:00	132	102	140	122	496	122	149	122	139	532	1028
15:00	153	149	167	153	622	160	120	152	152	584	1206
16:00	153	123	174	185	635	140	159	161	147	607	1242
17:00	221	167	154	103	645	147	131	135	114	527	1172
18:00	82	99	70	76	327	114	73	76	73	336	663
19:00	83	61	44	44	232	65	51	43	44	203	435
20:00	57	53	32	33	175	46	34	27	35	142	317
21:00	36	43	37	41	157	28	30	21	26	105	262
22:00	23	13	18	14	68	25	22	22	10	79	147
23:00	11	11	11	10	43	9	8	17	12	46	89
Total					6571					7202	13773

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1130	454
P.M	1630	747
Daily	1630	747

	Direction:	Westbound
	Hour	Volume
A.M	715	746
P.M	1615	614
Daily	715	746

	Direction:	Combined
	Hour	Volume
A.M	715	1163
P.M	1630	1333
Daily	1630	1333

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: 6th St W Of Cone Ave
County: Bay
Start Date: 17-Mar-05

Station #: 3111
Start Time: 0:00

	Eastbound					Westbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	17	7	4	4	32	11	4	7	6	28	60
1:00	11	6	2	6	25	12	1	7	7	27	52
2:00	4	2	2	2	10	2	3	6	8	19	29
3:00	3	2	13	5	23	7	4	5	6	22	45
4:00	5	4	8	12	29	9	6	7	17	39	68
5:00	8	17	23	27	75	19	29	40	48	136	211
6:00	44	59	71	80	254	60	61	109	141	371	625
7:00	98	117	110	91	416	174	222	245	208	849	1265
8:00	71	100	83	88	342	145	123	122	122	512	854
9:00	93	62	95	98	348	123	99	102	105	429	777
10:00	68	94	98	105	365	120	85	109	121	435	800
11:00	112	99	112	142	465	112	132	121	136	501	966
12:00	119	122	113	110	464	117	114	113	110	454	918
13:00	114	130	122	138	504	130	132	117	142	521	1025
14:00	122	149	142	129	542	140	151	126	165	582	1124
15:00	147	182	159	164	652	171	172	156	152	651	1303
16:00	154	173	158	175	660	151	143	138	160	592	1252
17:00	249	177	141	116	683	158	136	114	101	509	1192
18:00	117	91	73	82	363	92	90	76	70	328	691
19:00	69	55	69	48	241	59	57	55	41	212	453
20:00	55	49	40	29	173	46	38	36	40	160	333
21:00	51	49	31	23	154	28	30	24	30	112	266
22:00	25	32	18	18	93	23	18	20	21	82	175
23:00	16	18	14	17	65	18	13	9	10	50	115
Total					6978					7621	14599

Peak Hour Summary

	Direction:	Eastbound
	Hour	Volume
A.M	1145	496
P.M	1630	759
Daily	1630	759

	Direction:	Westbound
	Hour	Volume
A.M	700	849
P.M	1445	664
Daily	700	849

	Direction:	Combined
	Hour	Volume
A.M	700	1265
P.M	1615	1354
Daily	1615	1354

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Hamilton Ave S Of 7th St
County: Bay
Start Date: 15-Mar-05
Station #: 3112
Start Time: 0:00

Time	Northbound 1st	2nd	3rd	4th	Hour Tot.	Southbound 1st	2nd	3rd	4th	Hour Tot.	Combined Total
0:00	0	0	2	0	2	0	0	0	0	0	2
1:00	1	0	0	3	4	0	0	0	1	1	5
2:00	0	0	0	1	1	1	1	1	3	6	7
3:00	2	2	3	0	7	0	0	1	2	3	10
4:00	1	0	1	0	2	1	1	0	0	2	4
5:00	0	0	0	4	4	0	1	0	3	4	8
6:00	8	13	3	5	29	4	2	2	1	9	38
7:00	7	21	14	17	59	8	5	12	5	30	89
8:00	5	6	6	8	25	2	6	4	7	19	44
9:00	8	4	9	7	28	5	5	7	6	23	51
10:00	9	12	7	9	37	11	8	6	4	29	66
11:00	5	4	7	9	25	11	4	4	5	24	49
12:00	9	9	3	5	26	9	7	8	9	33	59
13:00	6	12	4	14	36	10	10	12	4	36	72
14:00	21	12	13	14	60	9	4	8	10	31	91
15:00	13	12	8	13	46	13	7	9	11	40	86
16:00	7	16	13	7	43	9	17	14	9	49	92
17:00	10	7	7	9	33	18	4	4	5	31	64
18:00	5	10	7	4	26	9	6	9	2	26	52
19:00	4	4	4	3	15	1	6	6	2	15	30
20:00	2	4	4	3	13	5	6	1	1	13	26
21:00	1	2	6	1	10	2	3	4	2	11	21
22:00	1	5	3	3	12	4	1	0	4	9	21
23:00	3	1	1	1	6	3	0	0	0	3	9
Total					549					447	996

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	700	59
P.M	1345	60
Daily	1345	60

	Direction:	Southbound
	Hour	Volume
A.M	930	32
P.M	1615	58
Daily	1615	58

	Direction:	Combined
	Hour	Volume
A.M	700	89
P.M	1615	104
Daily	1615	104

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Hamilton Ave S Of 7th St
County: Bay
Start Date: 16-Mar-05

Station #: 3112
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	3	1	0	1	5	0	1	0	0	1	6
1:00	1	0	0	1	2	0	0	0	0	0	2
2:00	0	0	1	0	1	0	1	0	0	1	2
3:00	0	2	0	0	2	1	0	0	3	4	6
4:00	0	1	1	2	4	0	2	0	0	2	6
5:00	1	0	1	2	4	2	1	2	1	6	10
6:00	8	8	3	5	24	3	2	3	4	12	36
7:00	6	14	14	11	45	7	8	13	5	33	78
8:00	10	10	4	4	28	3	4	8	4	19	47
9:00	6	12	10	8	36	7	7	8	6	28	64
10:00	7	7	8	8	30	10	2	5	11	28	58
11:00	11	9	7	7	34	8	3	1	6	18	52
12:00	7	8	3	6	24	7	5	10	5	27	51
13:00	13	8	6	10	37	7	5	7	7	26	63
14:00	13	9	8	11	41	12	8	12	9	41	82
15:00	15	3	11	10	39	13	8	4	10	35	74
16:00	11	6	13	15	45	13	9	6	5	33	78
17:00	13	5	8	12	38	12	14	8	9	43	81
18:00	6	4	5	1	16	6	4	6	7	23	39
19:00	6	7	4	2	19	6	6	6	3	21	40
20:00	6	3	4	3	16	3	3	8	5	19	35
21:00	5	5	1	2	13	2	4	2	1	9	22
22:00	6	5	4	6	21	2	2	1	0	5	26
23:00	3	0	0	1	4	1	2	0	1	4	8
Total					528					438	966

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	715	49
P.M	1615	47
Daily	715	49

	Direction:	Southbound
	Hour	Volume
A.M	700	33
P.M	1700	43
Daily	1700	43

	Direction:	Combined
	Hour	Volume
A.M	700	78
P.M	1415	85
Daily	1415	85

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Hamilton Ave S Of 7th St
County: Bay
Start Date: 17-Mar-05
Station #: 3112
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	0	0	0	0	0	0	0	0	0	0	0
1:00	1	0	0	1	2	1	0	0	2	3	5
2:00	0	1	1	1	3	0	0	0	0	0	3
3:00	0	0	1	0	1	0	1	2	1	4	5
4:00	1	2	1	1	5	1	1	1	0	3	8
5:00	0	0	4	3	7	0	1	1	2	4	11
6:00	6	6	5	7	24	2	3	2	5	12	36
7:00	13	14	11	14	52	7	5	11	8	31	83
8:00	11	7	6	4	28	1	2	16	6	25	53
9:00	8	4	13	5	30	4	5	10	3	22	52
10:00	8	7	7	10	32	4	10	4	5	23	55
11:00	7	7	7	12	33	7	6	6	5	24	57
12:00	8	6	6	8	28	6	6	11	6	29	57
13:00	13	7	8	9	37	10	4	6	7	27	64
14:00	15	17	12	9	53	11	11	11	6	39	92
15:00	8	13	13	14	48	6	6	12	10	34	82
16:00	17	12	15	9	53	7	8	14	9	38	91
17:00	14	10	4	5	33	13	12	7	6	38	71
18:00	8	10	2	5	25	6	9	3	5	23	48
19:00	4	5	2	4	15	7	2	2	5	16	31
20:00	0	3	3	1	7	4	4	4	2	14	21
21:00	2	2	5	3	12	0	1	1	2	4	16
22:00	1	1	4	2	8	0	3	1	3	7	15
23:00	1	2	1	1	5	3	2	0	0	5	10
Total					541					425	966

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	700	52
P.M	1545	58
Daily	1545	58

	Direction:	Southbound
	Hour	Volume
A.M	700	31
P.M	1630	48
Daily	1630	48

	Direction:	Combined
	Hour	Volume
A.M	700	83
P.M	1545	97
Daily	1545	97

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Beach Dr E Of 5th St
County: Bay
Start Date: 1-Mar-05

Station #: 2101
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	3	3	2	1	9	4	4	2	5	15	24
1:00	0	1	0	0	1	2	1	2	1	6	7
2:00	0	0	0	0	0	1	3	0	2	6	6
3:00	0	0	2	2	4	0	0	0	1	1	5
4:00	3	2	2	6	13	1	0	2	0	3	16
5:00	4	9	8	14	35	0	0	2	3	5	40
6:00	14	31	35	39	119	4	11	15	17	47	166
7:00	47	55	98	84	284	30	32	41	81	184	468
8:00	61	46	54	44	205	62	57	55	37	211	416
9:00	44	51	45	51	191	39	41	32	44	156	347
10:00	42	48	41	47	178	42	37	41	44	164	342
11:00	49	46	46	63	204	50	49	39	47	185	389
12:00	75	59	58	67	259	58	53	51	59	221	480
13:00	68	40	47	37	192	52	39	53	58	202	394
14:00	54	43	50	55	202	49	42	51	49	191	393
15:00	61	45	57	52	215	64	70	67	66	267	482
16:00	51	58	65	50	224	55	76	52	65	248	472
17:00	90	57	40	51	238	77	73	60	62	272	510
18:00	49	42	46	45	182	55	47	39	34	175	357
19:00	37	25	31	18	111	25	22	21	11	79	190
20:00	26	20	8	17	71	21	18	20	19	78	149
21:00	10	10	9	13	42	15	13	15	12	55	97
22:00	7	7	6	3	23	11	14	8	8	41	64
23:00	2	1	1	5	9	7	1	4	3	15	24
Total					3011					2827	5838

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	715	298
P.M	1615	263
Daily	715	298

	Direction:	Southbound
	Hour	Volume
A.M	745	255
P.M	1645	275
Daily	1645	275

	Direction:	Combined
	Hour	Volume
A.M	730	530
P.M	1615	533
Daily	1615	533

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Beach Dr E Of 5th St
County: Bay
Start Date: 2-Mar-05
Station #: 2101
Start Time: 0:00

	Northbound					Southbound					Combined
Time	1st	2nd	3rd	4th	Hour Tot.	1st	2nd	3rd	4th	Hour Tot.	Total
0:00	5	2	3	0	10	7	4	1	4	16	26
1:00	1	2	2	2	7	2	3	2	1	8	15
2:00	0	0	1	0	1	2	2	0	1	5	6
3:00	0	1	1	2	4	0	0	0	0	0	4
4:00	2	3	5	3	13	2	2	0	1	5	18
5:00	3	6	9	22	40	1	0	2	4	7	47
6:00	27	27	28	48	130	2	9	10	22	43	173
7:00	49	61	82	72	264	23	27	46	76	172	436
8:00	60	51	55	47	213	57	52	34	33	176	389
9:00	43	43	34	34	154	30	42	42	35	149	303
10:00	40	47	34	42	163	48	34	31	39	152	315
11:00	39	42	42	55	178	46	43	65	45	199	377
12:00	57	50	50	45	202	48	46	43	54	191	393
13:00	62	55	43	65	225	49	56	61	47	213	438
14:00	39	47	43	42	171	45	44	50	73	212	383
15:00	64	41	56	57	218	50	62	52	58	222	440
16:00	48	52	52	50	202	47	58	54	48	207	409
17:00	91	53	58	38	240	73	70	56	36	235	475
18:00	34	28	37	22	121	37	42	25	22	126	247
19:00	18	22	24	24	88	29	10	29	28	96	184
20:00	13	10	12	7	42	30	20	21	15	86	128
21:00	7	3	11	4	25	13	15	15	13	56	81
22:00	5	7	5	6	23	17	13	11	11	52	75
23:00	4	1	1	2	8	7	6	5	4	22	30
Total					2742					2650	5392

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	715	275
P.M	1645	252
Daily	715	275

	Direction:	Southbound
	Hour	Volume
A.M	730	231
P.M	1645	247
Daily	1645	247

	Direction:	Combined
	Hour	Volume
A.M	730	496
P.M	1645	499
Daily	1645	499

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Beach Dr E Of 5th St
County: Bay
Start Date: 3-Mar-05

Station #: 2101
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	2	2	3	7	14	6	4	1	3	14	28
1:00	2	3	4	2	11	6	7	2	3	18	29
2:00	5	2	1	0	8	1	5	1	0	7	15
3:00	1	2	1	0	4	0	2	2	0	4	8
4:00	2	2	3	5	12	0	0	2	1	3	15
5:00	6	8	10	15	39	1	1	1	2	5	44
6:00	17	19	32	45	113	5	13	8	21	47	160
7:00	56	53	91	77	277	24	38	43	71	176	453
8:00	50	53	48	31	182	65	47	38	32	182	364
9:00	48	40	39	32	159	27	34	35	30	126	285
10:00	30	39	36	41	146	22	34	36	39	131	277
11:00	43	48	47	49	187	42	38	49	53	182	369
12:00	55	48	39	58	200	52	43	48	50	193	393
13:00	43	50	40	56	189	49	53	52	43	197	386
14:00	54	56	52	42	204	34	41	42	53	170	374
15:00	66	41	47	42	196	58	50	43	46	197	393
16:00	46	54	63	45	208	49	36	45	55	185	393
17:00	87	56	48	33	224	55	78	58	34	225	449
18:00	40	35	30	21	126	31	39	43	70	183	309
19:00	20	17	10	13	60	103	56	38	21	218	278
20:00	9	9	15	11	44	29	23	18	14	84	128
21:00	4	21	9	9	43	15	20	24	11	70	113
22:00	10	7	152	30	199	16	11	10	8	45	244
23:00	23	9	7	5	44	4	4	10	2	20	64
Total					2889					2682	5571

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	700	277
P.M	1630	251
Daily	700	277

	Direction:	Southbound
	Hour	Volume
A.M	730	226
P.M	1830	272
Daily	1830	272

	Direction:	Combined
	Hour	Volume
A.M	730	497
P.M	1630	484
Daily	730	497

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Beach Dr E Of 4th St
County: Bay
Start Date: 1-Mar-05

Station #: 2201
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	4	2	1	0	7	5	4	2	4	15	22
1:00	1	0	0	0	1	2	1	2	0	5	6
2:00	0	0	0	0	0	1	2	1	2	6	6
3:00	0	0	2	1	3	0	0	0	1	1	4
4:00	3	2	4	3	12	0	0	3	0	3	15
5:00	5	6	8	12	31	1	1	2	2	6	37
6:00	14	20	24	30	88	4	5	19	17	45	133
7:00	28	43	74	68	213	37	27	52	81	197	410
8:00	41	37	43	31	152	62	53	44	26	185	337
9:00	34	43	27	43	147	33	29	32	44	138	285
10:00	30	36	33	34	133	43	39	38	31	151	284
11:00	36	36	35	47	154	39	41	46	55	181	335
12:00	42	48	38	58	186	48	57	52	53	210	396
13:00	53	40	30	32	155	51	30	48	47	176	331
14:00	50	31	33	51	165	39	33	51	54	177	342
15:00	47	35	43	32	157	50	56	61	64	231	388
16:00	24	36	38	38	136	66	58	49	69	242	378
17:00	46	27	26	41	140	79	72	52	52	255	395
18:00	35	28	35	31	129	59	42	42	32	175	304
19:00	21	14	27	13	75	32	28	23	13	96	171
20:00	20	11	7	11	49	28	14	17	24	83	132
21:00	6	6	7	5	24	14	14	16	17	61	85
22:00	4	2	3	3	12	12	15	10	9	46	58
23:00	2	2	0	6	10	7	2	3	5	17	27
Total					2179					2702	4881

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	715	226
P.M	1215	197
Daily	715	226

	Direction:	Southbound
	Hour	Volume
A.M	730	248
P.M	1645	272
Daily	1645	272

	Direction:	Combined
	Hour	Volume
A.M	730	468
P.M	1630	418
Daily	730	468

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Beach Dr E Of 4th St
County: Bay
Start Date: 2-Mar-05

Station #: 2201
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	3	3	2	0	8	5	2	1	4	12	20
1:00	1	1	1	1	4	4	2	2	1	9	13
2:00	1	0	0	0	1	3	2	1	0	6	7
3:00	0	0	1	0	1	0	2	0	1	3	4
4:00	3	2	5	4	14	1	2	1	3	7	21
5:00	0	4	6	15	25	2	1	7	6	16	41
6:00	13	13	18	29	73	11	17	17	27	72	145
7:00	36	37	55	58	186	36	42	56	79	213	399
8:00	46	40	42	30	158	67	42	32	38	179	337
9:00	35	35	26	26	122	24	33	31	27	115	237
10:00	30	43	22	29	124	34	25	31	38	128	252
11:00	29	29	27	39	124	33	33	48	45	159	283
12:00	42	32	31	43	148	29	35	54	45	163	311
13:00	43	42	33	46	164	48	61	56	36	201	365
14:00	30	32	27	33	122	47	50	50	65	212	334
15:00	41	35	39	37	152	48	59	56	51	214	366
16:00	30	38	40	31	139	37	60	41	51	189	328
17:00	55	40	38	25	158	75	57	56	47	235	393
18:00	33	18	26	16	93	38	44	29	31	142	235
19:00	17	14	18	12	61	25	16	34	34	109	170
20:00	11	5	8	7	31	27	26	20	13	86	117
21:00	5	4	9	4	22	13	15	15	18	61	83
22:00	3	0	3	5	11	14	9	13	10	46	57
23:00	4	0	0	2	6	9	5	6	2	22	28
Total					1947					2599	4546

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	730	199
P.M	1630	166
Daily	730	199

	Direction:	Southbound
	Hour	Volume
A.M	715	244
P.M	1645	239
Daily	715	244

	Direction:	Combined
	Hour	Volume
A.M	730	443
P.M	1645	403
Daily	730	443

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Beach Dr E Of 4th St
County: Bay
Start Date: 3-Mar-05

Station #: 2201
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	1	2	2	4	9	8	3	0	7	18	27
1:00	1	3	3	1	8	6	8	0	5	19	27
2:00	4	2	0	0	6	1	5	0	0	6	12
3:00	1	1	1	0	3	0	3	1	0	4	7
4:00	2	2	4	5	13	0	1	3	1	5	18
5:00	2	8	5	12	27	1	3	4	3	11	38
6:00	16	13	25	41	95	3	11	15	22	51	146
7:00	40	32	69	55	196	30	45	45	69	189	385
8:00	42	35	37	27	141	57	44	37	31	169	310
9:00	30	34	31	17	112	28	29	34	32	123	235
10:00	23	26	20	18	87	30	29	46	38	143	230
11:00	33	28	40	34	135	44	25	47	45	161	296
12:00	34	33	30	39	136	48	30	38	54	170	306
13:00	44	37	25	46	152	38	38	44	38	158	310
14:00	39	37	34	44	154	25	38	34	52	149	303
15:00	47	34	35	31	147	51	43	40	39	173	320
16:00	28	33	33	35	129	52	41	49	68	210	339
17:00	32	40	24	30	126	82	60	60	39	241	367
18:00	20	24	20	14	78	39	49	49	75	212	290
19:00	12	10	11	7	40	74	52	30	28	184	224
20:00	6	10	9	9	34	32	14	21	18	85	119
21:00	5	14	6	10	35	15	23	24	7	69	104
22:00	5	7	32	11	55	12	25	46	17	100	155
23:00	7	4	2	1	14	10	7	9	1	27	41
Total					1932					2677	4609

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	730	201
P.M	1415	162
Daily	730	201

	Direction:	Southbound
	Hour	Volume
A.M	715	216
P.M	1645	270
Daily	1645	270

	Direction:	Combined
	Hour	Volume
A.M	730	416
P.M	1645	401
Daily	730	416

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Beach Dr E Of Park St
County: Bay
Start Date: 1-Mar-05

Station #: 2202
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	5	3	1	0	9	5	4	2	2	13	22
1:00	3	2	1	0	6	2	1	2	1	6	12
2:00	2	1	0	0	3	1	2	1	1	5	8
3:00	1	0	2	1	4	0	1	0	2	3	7
4:00	6	2	2	5	15	3	0	3	0	6	21
5:00	8	8	11	16	43	0	2	5	1	8	51
6:00	26	24	48	44	142	3	5	15	12	35	177
7:00	55	66	98	91	310	27	25	37	67	156	466
8:00	72	67	49	52	240	49	44	39	19	151	391
9:00	54	60	37	66	217	23	30	33	41	127	344
10:00	47	43	35	48	173	28	27	39	32	126	299
11:00	48	54	53	63	218	30	47	47	50	174	392
12:00	49	64	55	79	247	56	56	50	52	214	461
13:00	65	43	40	44	192	53	36	45	51	185	377
14:00	66	40	34	50	190	47	39	49	53	188	378
15:00	64	39	57	41	201	55	65	48	57	225	426
16:00	39	44	41	50	174	55	72	55	61	243	417
17:00	54	32	42	46	174	86	75	66	62	289	463
18:00	44	32	29	32	137	58	56	49	45	208	345
19:00	30	23	16	21	90	30	32	27	23	112	202
20:00	31	10	8	20	69	29	20	25	29	103	172
21:00	10	8	11	9	38	19	15	18	18	70	108
22:00	8	4	12	3	27	18	15	9	7	49	76
23:00	4	4	1	5	14	9	3	3	3	18	32
Total					2933					2714	5647

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	730	328
P.M	1215	263
Daily	730	328

	Direction:	Southbound
	Hour	Volume
A.M	1145	212
P.M	1700	289
Daily	1700	289

	Direction:	Combined
	Hour	Volume
A.M	730	525
P.M	1215	474
Daily	730	525

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Beach Dr E Of Park St
County: Bay
Start Date: 2-Mar-05

Station #: 2202
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	2	4	3	4	13	4	5	1	8	18	31
1:00	3	2	3	2	10	2	2	1	1	6	16
2:00	1	0	0	0	1	1	3	1	1	6	7
3:00	0	2	1	2	5	0	0	0	1	1	6
4:00	3	2	3	7	15	2	2	0	1	5	20
5:00	6	5	10	25	46	1	2	4	2	9	55
6:00	25	33	33	50	141	1	7	9	14	31	172
7:00	72	58	92	86	308	15	27	46	59	147	455
8:00	73	52	62	52	239	45	46	24	35	150	389
9:00	51	36	52	41	180	23	28	26	28	105	285
10:00	50	50	33	41	174	43	31	29	36	139	313
11:00	34	37	32	46	149	31	34	44	45	154	303
12:00	38	35	42	61	176	49	37	45	43	174	350
13:00	64	48	57	54	223	48	54	55	41	198	421
14:00	52	46	41	46	185	48	41	50	71	210	395
15:00	57	47	51	46	201	46	59	61	60	226	427
16:00	40	58	47	41	186	49	45	65	60	219	405
17:00	72	47	49	46	214	90	77	70	51	288	502
18:00	33	26	35	21	115	42	48	35	36	161	276
19:00	22	25	27	22	96	33	36	43	32	144	240
20:00	13	8	14	9	44	33	25	23	12	93	137
21:00	10	6	15	9	40	23	17	25	17	82	122
22:00	8	1	10	5	24	17	9	8	18	52	76
23:00	7	0	1	2	10	9	9	9	3	30	40
Total					2795					2648	5443

Peak Hour Summary

	Direction:	Northbound
	Hour	Volume
A.M	715	309
P.M	1245	230
Daily	715	309

	Direction:	Southbound
	Hour	Volume
A.M	730	196
P.M	1645	297
Daily	1645	297

	Direction:	Combined
	Hour	Volume
A.M	730	499
P.M	1645	506
Daily	1645	506

HSA Consulting Group, Inc.
1315 Country Club Road
Gulf Breeze, Florida 32563

Location: Beach Dr E Of Park St
County: Bay
Start Date: 3-Mar-05

Station #: 2202
Start Time: 0:00

Time	Northbound 1st	Northbound 2nd	Northbound 3rd	Northbound 4th	Northbound Hour Tot.	Southbound 1st	Southbound 2nd	Southbound 3rd	Southbound 4th	Southbound Hour Tot.	Combined Total
0:00	1	3	3	5	12	7	3	2	7	19	31
1:00	4	3	3	3	13	5	4	3	3	15	28
2:00	4	1	0	2	7	6	5	0	0	11	18
3:00	0	1	1	3	5	0	1	1	1	3	8
4:00	2	2	4	7	15	0	1	2	1	4	19
5:00	6	9	9	17	41	3	2	0	2	7	48
6:00	23	27	37	50	137	3	10	6	13	32	169
7:00	52	56	92	106	306	20	30	42	48	140	446
8:00	56	55	53	46	210	59	44	34	29	166	376
9:00	52	49	48	39	188	20	29	29	29	107	295
10:00	37	43	39	29	148	19	24	34	32	109	257
11:00	45	45	48	52	190	45	33	42	49	169	359
12:00	51	45	40	60	196	49	46	40	40	175	371
13:00	44	59	34	57	194	37	33	37	46	153	347
14:00	50	48	49	47	194	28	41	39	61	169	363
15:00	72	49	40	35	196	59	49	40	37	185	381
16:00	40	46	46	44	176	56	40	58	59	213	389
17:00	48	53	50	52	203	75	84	67	47	273	476
18:00	43	29	35	38	145	44	52	37	31	164	309
19:00	25	23	22	15	85	58	44	30	29	161	246
20:00	10	20	19	15	64	54	30	30	19	133	197
21:00	9	17	9	10	45	24	20	27	11	82	127
22:00	9	15	65	8	97	14	14	14	7	49	146
23:00	7	7	7	2	23	4	14	5	1	24	47
Total					2890					2563	5453

Peak Hour Summary

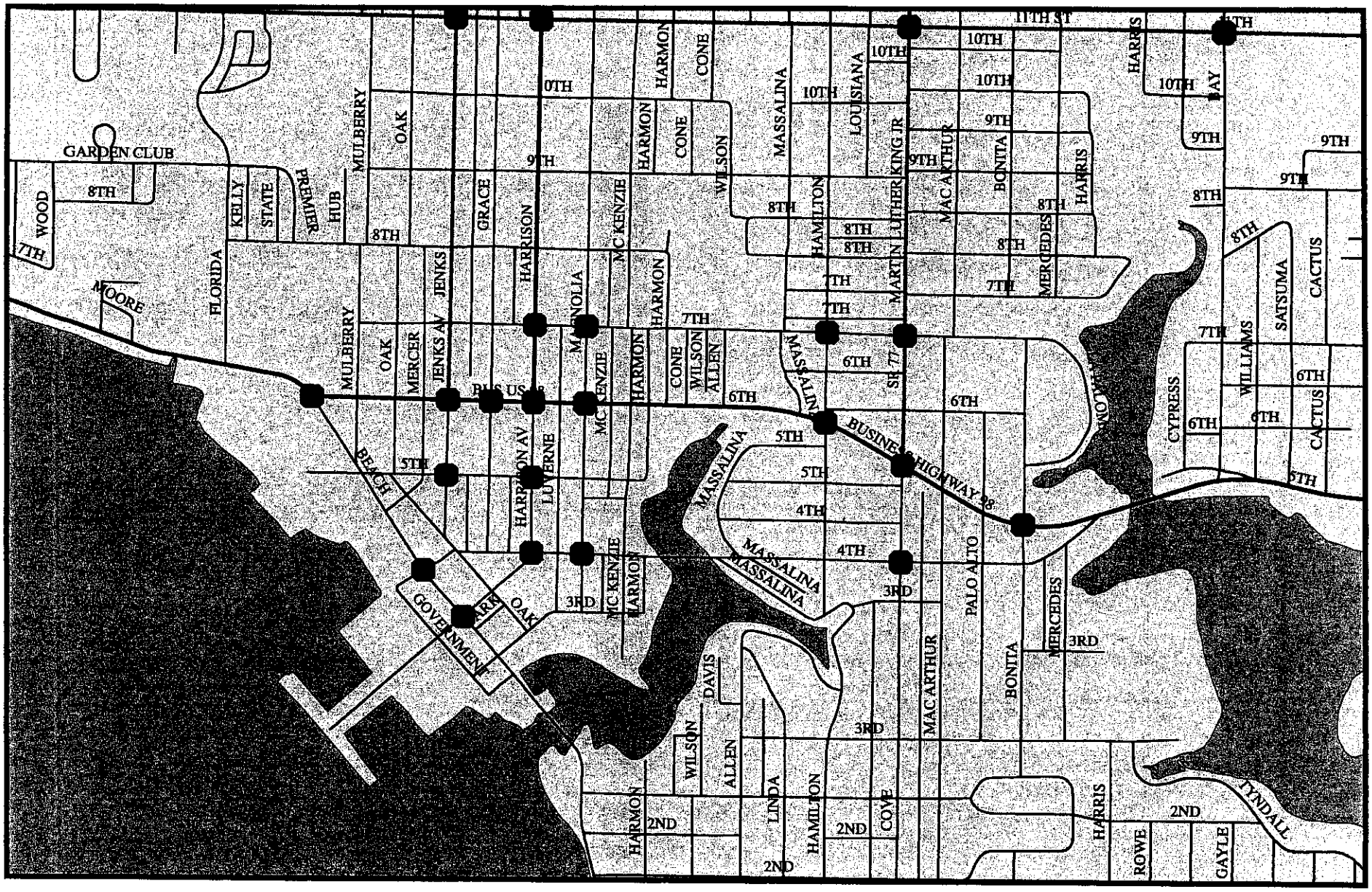
	Direction:	Northbound
	Hour	Volume
A.M	715	310
P.M	1430	217
Daily	715	310

	Direction:	Southbound
	Hour	Volume
A.M	730	193
P.M	1645	285
Daily	1645	285

	Direction:	Combined
	Hour	Volume
A.M	730	502
P.M	1645	480
Daily	730	502

APPENDIX C

TRAFFIC SIGNAL LOCATION DATA



Traffic Signal Locations

0 550 1,100 2,200 3,300 4,400 Feet

N
W E
S

Phase	Initial	Passage	Amber	Red	Walk	D' Walk	Max I	
1	4	3	4	0	0	0	15	
2	4	4	4	1	0	0	25	
3	5	3	4	0	0	0	15	
4	4	4	4	1	0	0	25	
5								
6								
7								
8								

Time in seconds

Cove @ 4th Street
04-13-05

C = 98 sec

Min Recall: Ph. 2
Non Lock: Ph. 2,3,4

Phase	Initial	Passage	Amber	Red	Walk	D' Walk	Max I	
1	4	4	4	0	0	0	10	
2	4	4	4	0	0	0	20	
3	5	4	4	1	21	8	10	
4	4	4	4	0	0	0	20	
5								
6								
7								
8								

Time in seconds

Beach Dr. @ Harrison
04-13-05

C = 77 sec

Min Recall: Ph. 2
Non Lock: Ph. 1,3
Phase Omit: Ph. 1
Ped Omit: Ph. 4
Exclusive Ped: Ph. 3

Phase	Initial	Passage	Amber	Red	Walk	D' Walk	Max I	
1	4	4	4	0	0	0	15	
2	4	4	4	1	15	8	40	
3	4	4	4	0	0	0	15	
4	4	4	4	1	0	0	30	
5	4	4	4	0	0	0	15	
6	4	4	4	1	15	8	40	
7	4	4	4	0	0	0	15	
8	4	4	4	1	0	0	30	
9					21	9		

Time in seconds

Harrison @ 4th Street
04-13-05

C = 118 sec

Min Recall: Ph. 2,6
Non Lock: Ph: 1,2,3,5,6,7
Exclusive Ped Ph. 9

Phase	Initial	Passage	Amber	Red	Walk	D' Walk	Max I	
1	6	3	4	0	0	0	15	
2	15	3	4	1	7	15	40	
3	6	3	4	0	0	0	18	
4	15	3	4	1	7	15	22	
5	6	3	4	0	0	0	15	
6	15	3	4	1	7	15	40	
7	6	3	4	0	0	0	18	
8	15	3	4	1	7	15	22	
9								

Time in seconds

MLK @ Business 98
04-13-05

C = 113 sec

Min Recall: Ph. 2,6
Non Lock: Ph. 1,3,5
Ped Omit: Ph. 1,3,5,7

Phase	Initial	Passage	Amber	Red	Walk	D' Walk	Max I	
1	6	2	3.5	2	0	0	15	
2	6	3	4	2.5	8	16	30	
3	6	2	3.5	2.5	0	0	15	
4	6	3	3.5	2.5	8	13	20	
5	6	2	3.5	2	0	0	15	
6	6	3	4	2.5	8	16	30	
7	6	4	3.5	2	0	0	30	
8	6	2	3.5	2.5	8	13	15	

Time in seconds

Harrison @ Business 98
04-13-05

C = 104 sec

Min Recall: Ph. 2,6
Non Lock: Ph. 1,3,4,5,7,8
Veh Omit: Ph. 7
Ped Omit Ph. 1,3,5,7 Co-ordinated Operation 0645-1800

Phase	Initial	Passage	Amber	Red	Walk	D' Walk	Max I	
1	2	3	3	1.5	3	3	20	
2	15	4	4	1	7	10	30	
3	5	3	4	1	3	3	12	
4	6	3	4	1	7	10	20	
5	2	3	3	1.5	3	3	20	
6	15	4	4	1	7	10	30	
7	2	3	3	1	3	3	20	
8	6	3	4	1	7	10	20	

Time in seconds

Jenks @ Business 98
04-13-05

C = 102 sec

Min Recall: Ph. 2,6
Non Lock: Ph. 3,4,8
Veh Omit: Ph. 1,5,7
Ped Omit: Ph. 1,3,5,7

APPENDIX D

EXISITNG CONDITIONS INTERSECTION ANALYSIS DETAILS

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	SAM KADI	Intersection	BEACH/5TH
Agency/Co.	PBS&J	Jurisdiction	PANAMA CITY
Date Performed	6/27/2005	Analysis Year	2005
Analysis Time Period	PM PEAK		
Project Description	PANAMA CITY INFRASTRUCTURE STUDY		
East/West Street:	5TH STREET	North/South Street:	BEACH DRIVE
Intersection Orientation:	North-South	Study Period (hrs):	0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	0	307	9	46	242	1
Peak-Hour Factor, PHF	0.64	0.64	0.64	0.73	0.73	0.73
Hourly Flow Rate, HFR	0	479	14	63	331	1
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	0	1	0	0	1	0
Configuration	LTR			LTR		
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	2	1	107	11	11	2
Peak-Hour Factor, PHF	0.76	0.76	0.76	0.66	0.66	0.66
Hourly Flow Rate, HFR	2	1	140	16	16	3
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LTR	LTR		LTR			LTR	
v (vph)	0	63		143			35	
C (m) (vph)	1239	1081		566			204	
v/c	0.00	0.06		0.25			0.17	
95% queue length	0.00	0.19		1.00			0.60	
Control Delay	7.9	8.5		13.5			26.3	
LOS	A	A		B			D	
Approach Delay	--	--	13.5			26.3		
Approach LOS	--	--	B			D		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	SAM KADI	Intersection	HARRISON/5TH
Agency/Co.	PBS&J	Jurisdiction	PANAMA CITY
Date Performed	6/27/2005	Analysis Year	2005
Analysis Time Period	PM PEAK		
Project Description	PANAMA CITY INFRASTRUCTURE STUDY		
East/West Street:	5TH STREET	North/South Street:	HARRISON AVENUE
Intersection Orientation:	North-South	Study Period (hrs):	0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	12	229	8	21	219	37
Peak-Hour Factor, PHF	0.95	0.95	0.95	0.80	0.80	0.80
Hourly Flow Rate, HFR	12	241	8	26	273	46
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	1	1	1	1	1	1
Configuration	L	T	R	L	T	R
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	7	28	24	19	22	21
Peak-Hour Factor, PHF	0.84	0.84	0.84	0.90	0.90	0.90
Hourly Flow Rate, HFR	8	33	28	21	24	23
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L	L		TR	L		TR
v (vph)	12	26	8		61	21		47
C (m) (vph)	1252	1328	356		507	353		528
v/c	0.01	0.02	0.02		0.12	0.06		0.09
95% queue length	0.03	0.06	0.07		0.41	0.19		0.29
Control Delay	7.9	7.8	15.3		13.1	15.8		12.5
LOS	A	A	C		B	C		B
Approach Delay	--	--	13.3			13.5		
Approach LOS	--	--	B			B		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	SAM KADI	Intersection	JENKS/5TH
Agency/Co.	PBS&J	Jurisdiction	PANAMA CITY
Date Performed	6/27/2005	Analysis Year	2005
Analysis Time Period	PM PEAK		
Project Description	PANAMA CITY INFRASTRUCTURE STUDY		
East/West Street:	5TH STREET	North/South Street:	JENKS AVENUE
Intersection Orientation:	North-South	Study Period (hrs):	0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	34	141	13	28	194	60
Peak-Hour Factor, PHF	0.70	0.70	0.70	0.90	0.90	0.90
Hourly Flow Rate, HFR	48	201	18	31	215	66
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	6	80	36	44	47	11
Peak-Hour Factor, PHF	0.63	0.63	0.63	0.90	0.90	0.90
Hourly Flow Rate, HFR	9	126	57	48	52	12
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L	L		TR	L		TR
v (vph)	48	31	9		183	48		64
C (m) (vph)	1293	1362	325		446	231		421
v/c	0.04	0.02	0.03		0.41	0.21		0.15
95% queue length	0.12	0.07	0.09		1.97	0.76		0.53
Control Delay	7.9	7.7	16.4		18.6	24.6		15.1
LOS	A	A	C		C	C		C
Approach Delay	--	--	18.5			19.2		
Approach LOS	--	--	C			C		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	SAM KADI	Intersection	OAK/4TH
Agency/Co.	PBS&J	Jurisdiction	PANAMA CITY
Date Performed	6/27/2005	Analysis Year	2005
Analysis Time Period	PM PEAK		
Project Description	PANAMA CITY INFRASTRUCTURE STUDY		
East/West Street:	4TH STREET	North/South Street:	OAK AVENUE
Intersection Orientation:	North-South	Study Period (hrs):	0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	3	49	6	77	99	35
Peak-Hour Factor, PHF	0.80	0.80	0.80	0.90	0.90	0.90
Hourly Flow Rate, HFR	3	61	7	85	110	38
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	0	1	0	0	1	0
Configuration	LTR			LTR		
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	2	37	79	58	56	8
Peak-Hour Factor, PHF	0.80	0.80	0.80	0.70	0.70	0.70
Hourly Flow Rate, HFR	2	46	98	82	80	11
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LTR	LTR	L		TR	L		TR
v (vph)	3	85	2		144	82		91
C (m) (vph)	1446	1546	459		772	425		555
v/c	0.00	0.05	0.00		0.19	0.19		0.16
95% queue length	0.01	0.17	0.01		0.68	0.71		0.58
Control Delay	7.5	7.5	12.9		10.7	15.5		12.8
LOS	A	A	B		B	C		B
Approach Delay	--	--	10.8			14.0		
Approach LOS	--	--	B			B		

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HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: COVE/4TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/272005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
4TH STREET	COVE BOULEVARD

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	0	1	1	1	1	1	0
Volume	105	242	11	42	69	13	28	199	42	29	249	24
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	105	42	28	29
2. Opposing mainline volume	82	253	273	241
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	8610	10626	7644	6989
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

'ght Lane Configuration (E=Excl, S=Shrd)	S	S	E	S
6. RT volume	11	13	42	24
7. Exclusive lanes	0	0	1	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume			49	
10. Shared lane vol	13	15		28

THROUGH MOVEMENT

11. Thru volume	242	69	199	249
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	255	84	199	277
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	1.50	1.79	1.83	1.77
17. LT adj. factor:				
18. Through lane volume	255	84	199	277
19. Critical lane volume	255	84	199	277

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	255	84	199	277
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection	Plan 1:	U	U	U	U
	Plan 2a:	U	P	U	P
	Plan 2b:	P	U	P	U
< Indicates the dominant left turn for each opposing pair	Plan 3a:	<P	P	<P	P
	Plan 3b:	P	<P	P	<P
	Plan 4:	N	N	N	N

Phase plan selected (1 to 4)	1	1

. cycle (Cmin) 98 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	255	0	0	277	0	0
Critical sum [CS]	532					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
st time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	98.0					
Phase time	47.1	0.0	0.0	50.9	0.0	0.0
Critical v/c Ratio [Xcm]	0.42					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: COVE/6TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/27/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
6TH STREET	COVE BOULEVARD

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Volume	107	651	50	39	518	172	47	296	29	295	222	54
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	107	39	47	295
2. Opposing mainline volume	690	701	276	325
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	73830	27339	12972	95875
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	P

4. LT adjustment factor	1.000	1.000	1.000	0.950
5. LT lane vol	0	0	0	311

RIGHT TURN MOVEMENT

6. Right Lane Configuration (E=Excl, S=Shrd)	S	S	S	S
6. RT volume	50	172	29	54
7. Exclusive lanes	0	0	0	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume				
10. Shared lane vol	59	202	34	64

THROUGH MOVEMENT

11. Thru volume	651	518	296	222
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	2	2	1	1
14. Total approach volume	710	720	330	286
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	2.77	2.80	1.84	
17. LT adj. factor:				
18. Through lane volume	355	360	330	286
19. Critical lane volume	355	360	330	286

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	355	360	330	286
LT lane vol: [5]	0	0	0	311
Left turn protection: (P/U/N)	U	U	U	P
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection	Plan 1: U	U	U	U
	Plan 2a: U	P	U	P
	Plan 2b: P	U	P	U
< Indicates the dominant left turn for each opposing pair	Plan 3a: <P	P	<P	P
	Plan 3b: P	<P	P	<P
	Plan 4: N	N	N	N

Phase plan selected (1 to 4) 1 2a

cycle (Cmin) 113 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			STL	NST	
Critical phase vol [CV]	360	0	0	311	330	0
Critical sum [CS]	1001					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
st time/phase [PL]	4	0	0	4	4	0
Lost time/cycle [TL]	12					
Cycle length [CYC]	113.0					
Phase time	40.3	0.0	0.0	35.4	37.3	0.0
Critical v/c Ratio [Xcm]	0.81					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: HARRISON/4TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/27/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
4TH STREET	HARRISON AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	0	1	1	1	1	1	1
Volume	50	161	11	76	118	54	4	99	53	45	194	24
Parking	Y			Y			Y			Y		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	50	76	4	45
2. Opposing mainline volume	172	172	218	152
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	8600	13072	872	6840
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

'ght Lane Configuration (E=Excl, S=Shrd)	S	S	E	E
6. RT volume	11	54	53	24
7. Exclusive lanes	0	0	1	1
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume			62	28
10. Shared lane vol	13	64		

THROUGH MOVEMENT

11. Thru volume	161	118	99	194
12. Parking adjustment factor	0.80	0.80	0.80	0.80
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	218	228	124	242
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	1.65	1.65	1.73	1.62
17. LT adj. factor:				
18. Through lane volume	218	228	124	242
19. Critical lane volume	218	228	124	242

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	218	228	124	242
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection	Plan 1:	U	U	U	U
	Plan 2a:	U	P	U	P
	Plan 2b:	P	U	P	U
< Indicates the dominant left turn for each opposing pair	Plan 3a:	<P	P	<P	P
	Plan 3b:	P	<P	P	<P
	Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 1

. cycle (Cmin) 118 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	228	0	0	242	0	0
Critical sum [CS]	470					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
ost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	118.0					
Phase time	57.4	0.0	0.0	60.6	0.0	0.0
Critical v/c Ratio [Xcm]	0.36					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: HARRISON/6TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/27/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street: 6TH STREET
North/South Street: HARRISON AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	1	1	1	1	1	1	1
Volume	75	517	26	33	457	126	21	171	52	147	152	31
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	75	33	21	147
2. Opposing mainline volume	583	543	183	223
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	43725	17919	3843	32781
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

Right Lane Configuration (E=Excl, S=Shrd)	S	E	E	E
6. RT volume	26	126	52	31
7. Exclusive lanes	0	1	1	1
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume		148	61	36
10. Shared lane vol	31			

THROUGH MOVEMENT

11. Thru volume	517	457	171	152
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	548	457	171	152
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	2.50	2.40	1.67	1.74
17. LT adj. factor:				
18. Through lane volume	548	457	171	152
19. Critical lane volume	548	457	171	152

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	548	457	171	152
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection	Plan 1:	U	U	U	U
	Plan 2a:	U	P	U	P
	Plan 2b:	P	U	P	U
< Indicates the dominant left turn for each opposing pair	Plan 3a:	<P	P	<P	P
	Plan 3b:	P	<P	P	<P
	Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 1

. cycle (Cmin) 104 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	548	0	0	171	0	0
Critical sum [CS]	719					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
st time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	104.0					
Phase time	77.2	0.0	0.0	26.8	0.0	0.0
Critical v/c Ratio [Xcm]	0.56					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: HARRISON/BEACH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/27/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
BEACH DRIVE	HARRISON AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Volume	30	167	22	12	194	38	13	106	11	58	128	16
Parking	Y			Y			Y			Y		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	30	12	13	58
2. Opposing mainline volume	232	189	144	117
3. Number of exclusive LT lanes	0	0	0	0
Cross Product [2] * [1]	6960	2268	1872	6786
Left Lane Configuration (E=Excl, S=Shrd):	S	S	S	S
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor				
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

'ght Lane Configuration (E=Excl, S=Shrd)	S	S	S	S
6. RT volume	22	38	11	16
7. Exclusive lanes	0	0	0	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume				
10. Shared lane vol	26	45	13	19

THROUGH MOVEMENT

11. Thru volume	167	194	106	128
12. Parking adjustment factor	0.80	0.80	0.80	0.80
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	241	299	149	184
15. Prop. of left turns in lane group	0.14	0.05	0.10	0.29
16. Left turn equivalence	1.76	1.68	1.60	1.56
17. LT adj. factor:	0.939	0.983	0.978	0.843
18. Through lane volume	257	304	152	218
19. Critical lane volume	257	304	152	218

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	257	304	152	218
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection

< Indicates the dominant left turn for each opposing pair

Plan 1:	U	U	U	U
Plan 2a:	U	P	U	P
Plan 2b:	P	U	P	U
Plan 3a:	<P	P	<P	P
Plan 3b:	P	<P	P	<P
Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 1

. cycle (Cmin) 77 Max. cycle (Cmax) 120

Timing Plan

	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	304	0	0	218	0	0
Critical sum [CS]	522					
CBD adjustment [CBD]	0.90					
'erence sum [RS]	1385					
Lost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	77.0					
Phase time	44.2	0.0	0.0	32.8	0.0	0.0
Critical v/c Ratio [Xcm]	0.42					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: JENKS/6TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/27/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
6TH STREET	JENKS AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	0	1	1	0	1	1	0
Volume	33	383	10	26	399	97	11	200	46	152	180	20
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	33	26	11	152
2. Opposing mainline volume	496	393	200	246
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	16368	10218	2200	37392
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

ght Lane Configuration (E=Excl, S=Shrd)	S	S	S	S
6. RT volume	10	97	46	20
7. Exclusive lanes	0	0	0	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume				
10. Shared lane vol	12	114	54	24

THROUGH MOVEMENT

11. Thru volume	383	399	200	180
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	395	513	254	204
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	2.29	2.07	1.70	1.78
17. LT adj. factor:				
18. Through lane volume	395	513	254	204
19. Critical lane volume	395	513	254	204

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	395	513	254	204
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection

< Indicates the dominant left turn for each opposing pair

Plan 1:	U	U	U	U
Plan 2a:	U	P	U	P
Plan 2b:	P	U	P	U
Plan 3a:	<P	P	<P	P
Plan 3b:	P	<P	P	<P
Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 1

cycle (Cmin) 102 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	513	0	0	254	0	0
Critical sum [CS]	767					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
Lost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	102.0					
Phase time	66.9	0.0	0.0	35.1	0.0	0.0
Critical v/c Ratio [Xcm]	0.60					
Status	Under capacity					

AM PEAK ANALYSIS

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	SAM KADI	Intersection	BEACH/5TH
Agency/Co.	PBS&J	Jurisdiction	PANAMA CITY
Date Performed	6/27/2005	Analysis Year	2005
Analysis Time Period	AM PEAK		
Project Description	PANAMA CITY INFRASTRUCTURE STUDY		
East/West Street:	5TH STREET	North/South Street:	BEACH DRIVE
Intersection Orientation:	North-South	Study Period (hrs):	0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	6	276	13	94	242	16
Peak-Hour Factor, PHF	0.80	0.80	0.80	0.70	0.70	0.70
Hourly Flow Rate, HFR	7	344	16	134	345	22
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	0	1	0	0	1	0
Configuration	LTR			LTR		
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	3	6	60	0	3	1
Peak-Hour Factor, PHF	0.54	0.54	0.54	0.33	0.33	0.33
Hourly Flow Rate, HFR	5	11	111	0	9	3
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LTR	LTR		LTR			LTR	
v (vph)	7	134		127			12	
C (m) (vph)	1203	1210		533			254	
v/c	0.01	0.11		0.24			0.05	
95% queue length	0.02	0.37		0.92			0.15	
Control Delay	8.0	8.3		13.9			19.9	
LOS	A	A		B			C	
Approach Delay	--	--	13.9			19.9		
Approach LOS	--	--	B			C		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	SAM KADI	Intersection	HARRISON/5TH
Agency/Co.	PBS&J	Jurisdiction	PANAMA CITY
Date Performed	6/27/2005	Analysis Year	2005
Analysis Time Period	AM PEAK		
Project Description	PANAMA CITY INFRASTRUCTURE STUDY		
East/West Street:	5TH STREET	North/South Street:	HARRISON AVENUE
Intersection Orientation:	North-South	Study Period (hrs):	0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	14	202	2	16	202	27
Peak-Hour Factor, PHF	0.86	0.86	0.86	0.85	0.85	0.85
Hourly Flow Rate, HFR	16	234	2	18	237	31
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	1	1	1	1	1	1
Configuration	L	T	R	L	T	R
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	6	18	12	12	15	11
Peak-Hour Factor, PHF	0.88	0.88	0.88	0.80	0.80	0.80
Hourly Flow Rate, HFR	6	20	13	14	18	13
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L	L		TR	L		TR
v (vph)	16	18	6		33	14		31
C (m) (vph)	1307	1343	407		521	413		544
v/c	0.01	0.01	0.01		0.06	0.03		0.06
95% queue length	0.04	0.04	0.04		0.20	0.11		0.18
Control Delay	7.8	7.7	14.0		12.4	14.0		12.0
LOS	A	A	B		B	B		B
Approach Delay	--	--	12.6			12.6		
Approach LOS	--	--	B			B		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	SAM KADI	Intersection	JENKS/5TH
Agency/Co.	PBS&J	Jurisdiction	PANAMA CITY
Date Performed	6/27/2005	Analysis Year	2005
Analysis Time Period	AM PEAK		
Project Description	PANAMA CITY INFRASTRUCTURE STUDY		
East/West Street:	5TH STREET	North/South Street:	JENKS AVENUE
Intersection Orientation:	North-South	Study Period (hrs):	0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	22	94	11	25	122	59
Peak-Hour Factor, PHF	0.85	0.85	0.85	0.86	0.86	0.86
Hourly Flow Rate, HFR	25	110	12	29	141	68
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	8	32	20	31	34	8
Peak-Hour Factor, PHF	0.80	0.80	0.80	0.85	0.85	0.85
Hourly Flow Rate, HFR	9	39	24	36	39	9
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L	L		TR	L		TR
v (vph)	25	29	9		63	36		48
C (m) (vph)	1374	1478	494		609	479		561
v/c	0.02	0.02	0.02		0.10	0.08		0.09
95% queue length	0.06	0.06	0.06		0.34	0.24		0.28
Control Delay	7.7	7.5	12.4		11.6	13.1		12.0
LOS	A	A	B		B	B		B
Approach Delay	--	--	11.7			12.5		
Approach LOS	--	--	B			B		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	SAM KADI	Intersection	OAK/4TH
Agency/Co.	PBS&J	Jurisdiction	PANAMA CITY
Date Performed	6/27/2005	Analysis Year	2005
Analysis Time Period	AM PEAK		

Project Description: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street: 4TH STREET | North/South Street: OAK AVENUE

Intersection Orientation: North-South | Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	2	35	4	56	72	46
Peak-Hour Factor, PHF	0.80	0.80	0.80	0.80	0.80	0.80
Hourly Flow Rate, HFR	2	43	4	69	89	57
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	0	1	0	0	1	0
Configuration	LTR			LTR		
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	6	37	82	36	39	3
Peak-Hour Factor, PHF	0.70	0.70	0.70	0.80	0.80	0.80
Hourly Flow Rate, HFR	8	52	117	44	48	3
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LTR	LTR	L		TR	L		TR
v (vph)	2	69	8		169	44		51
C (m) (vph)	1448	1573	564		820	454		593
v/c	0.00	0.04	0.01		0.21	0.10		0.09
95% queue length	0.00	0.14	0.04		0.77	0.32		0.28
Control Delay	7.5	7.4	11.5		10.5	13.8		11.6
LOS	A	A	B		B	B		B
Approach Delay	--	--	10.6			12.6		
Approach LOS	--	--	B			B		

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Version 4.1c

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: COVE/4TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/27/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: AM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
4TH STREET	COVE BOULEVARD

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	0	1	1	1	1	1	0
Volume	23	61	22	59	230	22	54	304	61	15	181	88
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	23	59	54	15
2. Opposing mainline volume	252	83	269	365
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	5796	4897	14526	5475
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

ght Lane Configuration (E=Excl, S=Shrd)	S	S	E	S
6. RT volume	22	22	61	88
7. Exclusive lanes	0	0	1	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume			72	
10. Shared lane vol	26	26		104

THROUGH MOVEMENT

11. Thru volume	61	230	304	181
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	87	256	304	285
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	1.79	1.50	1.82	2.01
17. LT adj. factor:				
18. Through lane volume	87	256	304	285
19. Critical lane volume	87	256	304	285

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	87	256	304	285
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection

< Indicates the dominant left turn for each opposing pair

Plan 1:	U	U	U	U
Plan 2a:	U	P	U	P
Plan 2b:	P	U	P	U
Plan 3a:	<P	P	<P	P
Plan 3b:	P	<P	P	<P
Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 1

cycle (Cmin) 98 Max. cycle (Cmax) 120

Timing Plan

	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	256	0	0	304	0	0
Critical sum [CS]	560					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
st time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	98.0					
Phase time	45.1	0.0	0.0	52.9	0.0	0.0
Critical v/c Ratio [Xcm]	0.44					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: COVE/6TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/27/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: AM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
6TH STREET	COVE BOULEVARD

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Volume	60	335	21	10	776	296	37	301	8	236	275	57
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	60	10	37	236
2. Opposing mainline volume	1072	356	332	309
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	64320	3560	12284	72924
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

'ght Lane Configuration (E=Excl, S=Shrd)	S	S	S	S
6. RT volume	21	296	8	57
7. Exclusive lanes	0	0	0	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume				
10. Shared lane vol	25	348	9	67

THROUGH MOVEMENT

11. Thru volume	335	776	301	275
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	2	2	1	1
14. Total approach volume	360	1124	310	342
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	4.00	1.99	1.94	1.90
17. LT adj. factor:				
18. Through lane volume	180	562	310	342
19. Critical lane volume	180	562	310	342

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	180	562	310	342
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection

< Indicates the dominant left turn for each opposing pair

Plan 1:	U	U	U	U
Plan 2a:	U	P	U	P
Plan 2b:	P	U	P	U
Plan 3a:	<P	P	<P	P
Plan 3b:	P	<P	P	<P
Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 1

cycle (Cmin) 113 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	562	0	0	342	0	0
Critical sum [CS]	904					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
st time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	113.0					
Phase time	69.3	0.0	0.0	43.7	0.0	0.0
Critical v/c Ratio [Xcm]	0.70					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
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PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: HARRISON/4TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/27/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: AM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
4TH STREET	HARRISON AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	0	1	1	1	1	1	1
Volume	31	79	7	43	65	47	5	117	45	50	112	35
Parking	Y			Y			Y			Y		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	31	43	5	50
2. Opposing mainline volume	112	86	147	162
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	3472	3698	735	8100
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

'ght Lane Configuration (E=Excl, S=Shrd)	S	S	E	E
6. RT volume	7	47	45	35
7. Exclusive lanes	0	0	1	1
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume			53	41
10. Shared lane vol	8	55		

THROUGH MOVEMENT

11. Thru volume	79	65	117	112
12. Parking adjustment factor	0.80	0.80	0.80	0.80
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	109	150	146	140
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	1.55	1.51	1.61	1.63
17. LT adj. factor:				
18. Through lane volume	109	150	146	140
19. Critical lane volume	109	150	146	140

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	109	150	146	140
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection	Plan 1: U	U	U	U
	Plan 2a: U	P	U	P
	Plan 2b: P	U	P	U
< Indicates the dominant left turn for each opposing pair	Plan 3a: <P	P	<P	P
	Plan 3b: P	<P	P	<P
	Plan 4: N	N	N	N

Phase plan selected (1 to 4) 1 1

cycle (Cmin) 118 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	150	0	0	146	0	0
Critical sum [CS]	296					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
Lost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	118.0					
Phase time	59.7	0.0	0.0	58.3	0.0	0.0
Critical v/c Ratio [Xcm]	0.23					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
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PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: HARRISON/6TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/27/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: AM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
6TH STREET	HARRISON AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	1	1	1	1	1	1	1
Volume	27	352	11	31	619	135	4	79	10	108	150	71
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	27	31	4	108
2. Opposing mainline volume	754	363	221	89
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	20358	11253	884	9612
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

'ght Lane Configuration (E=Excl, S=Shrd)	S	E	E	E
6. RT volume	11	135	10	71
7. Exclusive lanes	0	1	1	1
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume		159	12	84
10. Shared lane vol	13			

THROUGH MOVEMENT

11. Thru volume	352	619	79	150
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	365	619	79	150
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	2.95	2.01	1.74	1.51
17. LT adj. factor:				
18. Through lane volume	365	619	79	150
19. Critical lane volume	365	619	79	150

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	365	619	79	150
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection

< Indicates the dominant left turn for each opposing pair

Plan 1:	U	U	U	U
Plan 2a:	U	P	U	P
Plan 2b:	P	U	P	U
Plan 3a:	<P	P	<P	P
Plan 3b:	P	<P	P	<P
Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 1

. cycle (Cmin) 104 Max. cycle (Cmax) 120

Timing Plan

	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	619	0	0	150	0	0
Critical sum [CS]	769					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
Lost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	104.0					
Phase time	81.3	0.0	0.0	22.7	0.0	0.0
Critical v/c Ratio [Xcm]	0.60					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: HARRISON/BEACH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/27/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: AM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
BEACH DRIVE	HARRISON AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Volume	12	169	7	16	256	56	10	49	2	44	97	21
Parking		Y			Y			Y			Y	
Coord.		N			N			N			N	
LT Treat.		?			?			?			?	

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	12	16	10	44
2. Opposing mainline volume	312	176	118	51
3. Number of exclusive LT lanes	0	0	0	0
Cross Product [2] * [1]	3744	2816	1180	2244
Left Lane Configuration (E=Excl, S=Shrd):	S	S	S	S
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor				
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

ght Lane Configuration (E=Excl, S=Shrd)	S	S	S	S
6. RT volume	7	56	2	21
7. Exclusive lanes	0	0	0	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume				
10. Shared lane vol	8	66	2	25

THROUGH MOVEMENT

11. Thru volume	169	256	49	97
12. Parking adjustment factor	0.80	0.80	0.80	0.80
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	221	402	64	152
15. Prop. of left turns in lane group	0.06	0.05	0.16	0.27
16. Left turn equivalence	1.90	1.66	1.56	1.45
17. LT adj. factor:	0.980	0.977	0.979	0.885
18. Through lane volume	226	411	65	172
19. Critical lane volume	226	411	65	172

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	226	411	65	172
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection

< Indicates the dominant left turn for each opposing pair

Plan 1:	U	U	U	U
Plan 2a:	U	P	U	P
Plan 2b:	P	U	P	U
Plan 3a:	<P	P	<P	P
Plan 3b:	P	<P	P	<P
Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 1

cycle (Cmin) 77 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	411	0	0	172	0	0
Critical sum [CS]	583					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
ost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	77.0					
Phase time	52.6	0.0	0.0	24.4	0.0	0.0
Critical v/c Ratio [Xcm]	0.47					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
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PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: JENKS/6TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 6/27/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: AM PEAK
Analysis Year: 2005
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
6TH STREET	JENKS AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	0	1	1	0	1	1	0
Volume	8	289	5	28	481	118	9	89	6	80	161	26
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	8	28	9	80
2. Opposing mainline volume	599	294	187	95
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	4792	8232	1683	7600
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

'ight Lane Configuration (E=Excl, S=Shrd)	S	S	S	S
6. RT volume	5	118	6	26
7. Exclusive lanes	0	0	0	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume				
10. Shared lane vol	6	139	7	31

THROUGH MOVEMENT

11. Thru volume	289	481	89	161
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	295	620	96	192
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	2.53	1.87	1.68	1.52
17. LT adj. factor:				
18. Through lane volume	295	620	96	192
19. Critical lane volume	295	620	96	192

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	295	620	96	192
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection

< Indicates the dominant left turn for each opposing pair

Plan 1:	U	U	U	U
Plan 2a:	U	P	U	P
Plan 2b:	P	U	P	U
Plan 3a:	<P	P	<P	P
Plan 3b:	P	<P	P	<P
Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 1

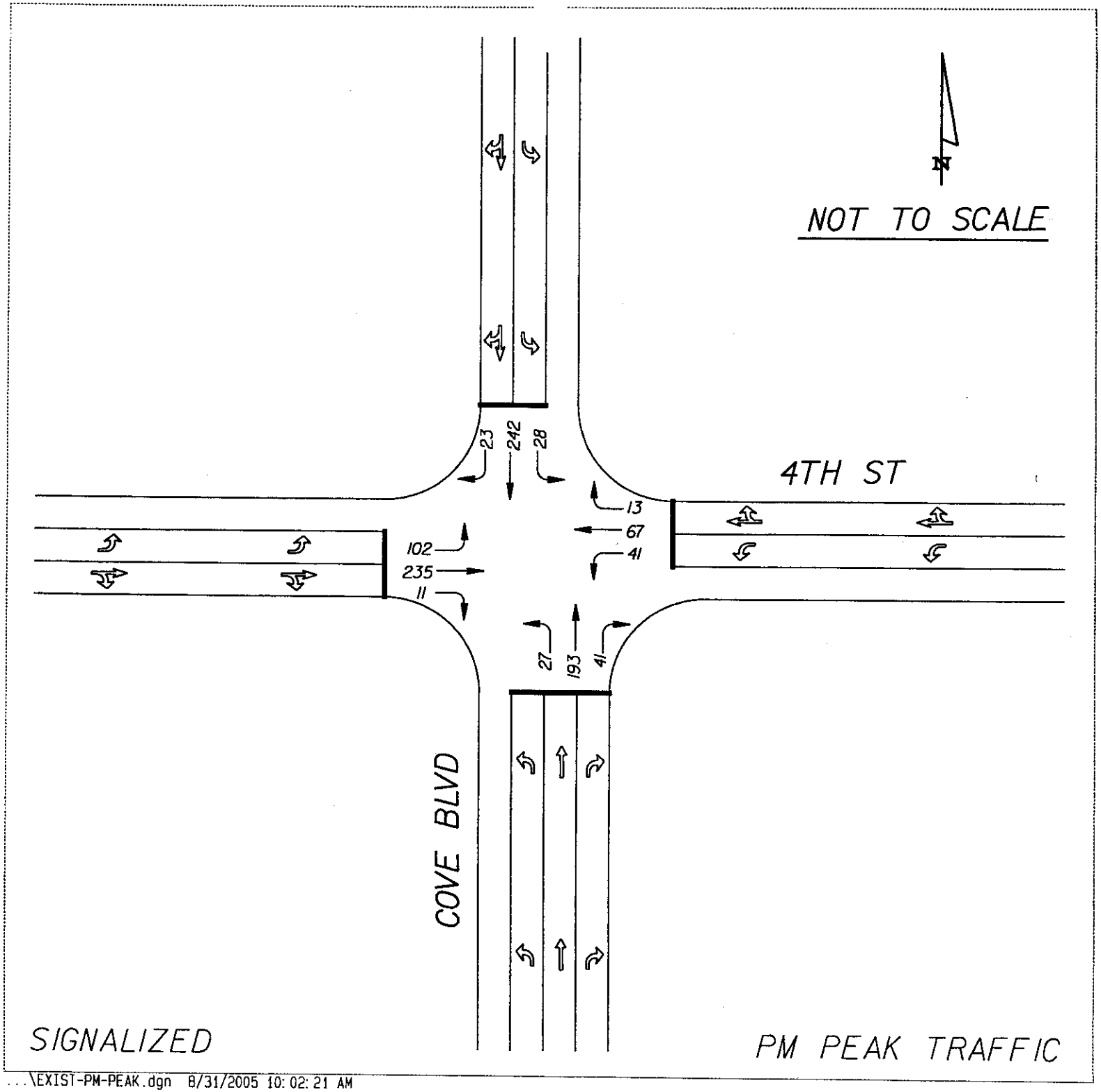
cycle (Cmin) 102 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	620	0	0	192	0	0
Critical sum [CS]	812					
CBD adjustment [CBD]	0.90					
erence sum [RS]	1385					
Lost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	102.0					
Phase time	75.8	0.0	0.0	26.2	0.0	0.0
Critical v/c Ratio [Xcm]	0.64					
Status	Under capacity					

APPENDIX E

INTERSECTION SCHEMATICS AND TRAFFIC VOLUMES



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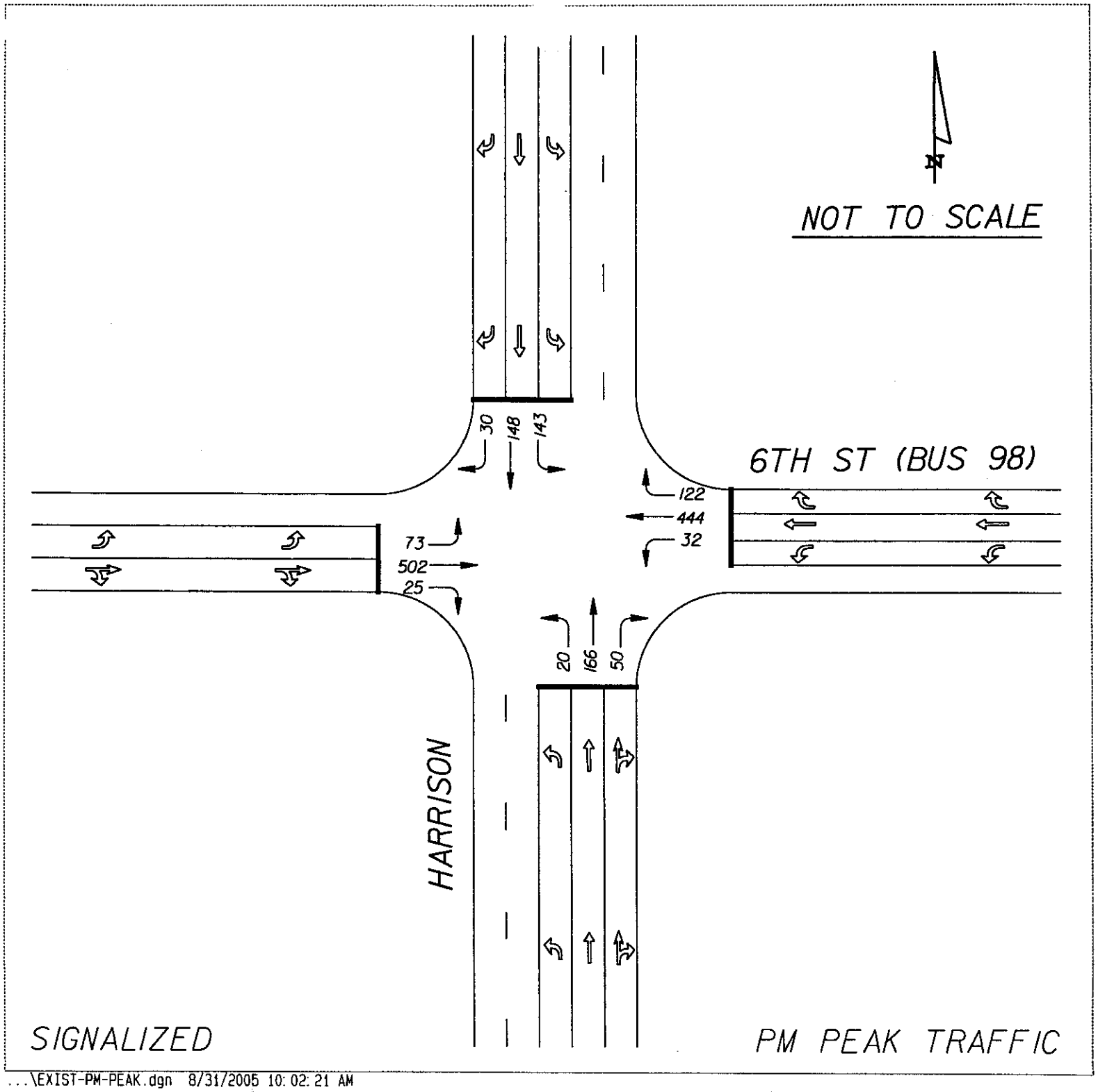

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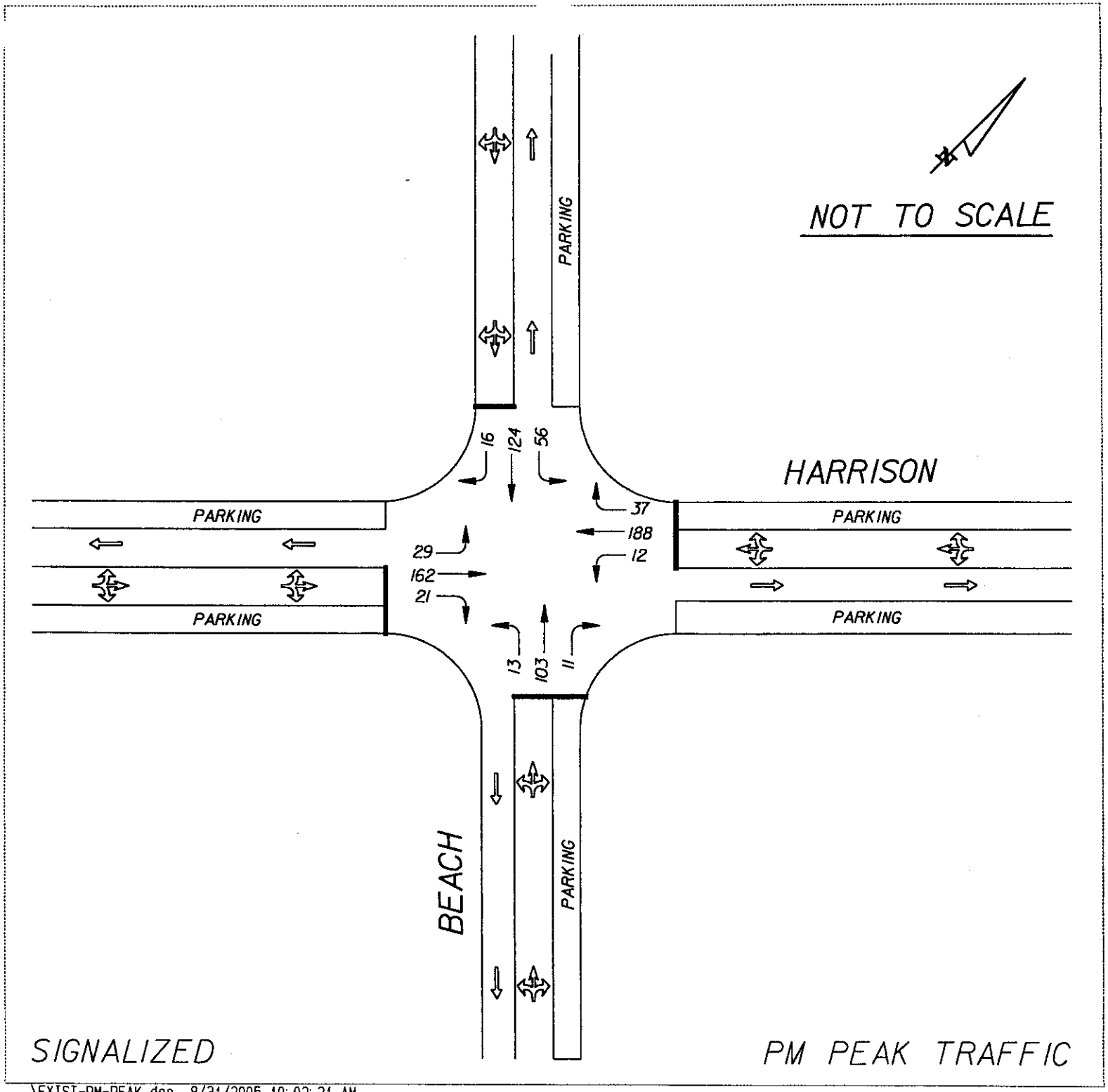

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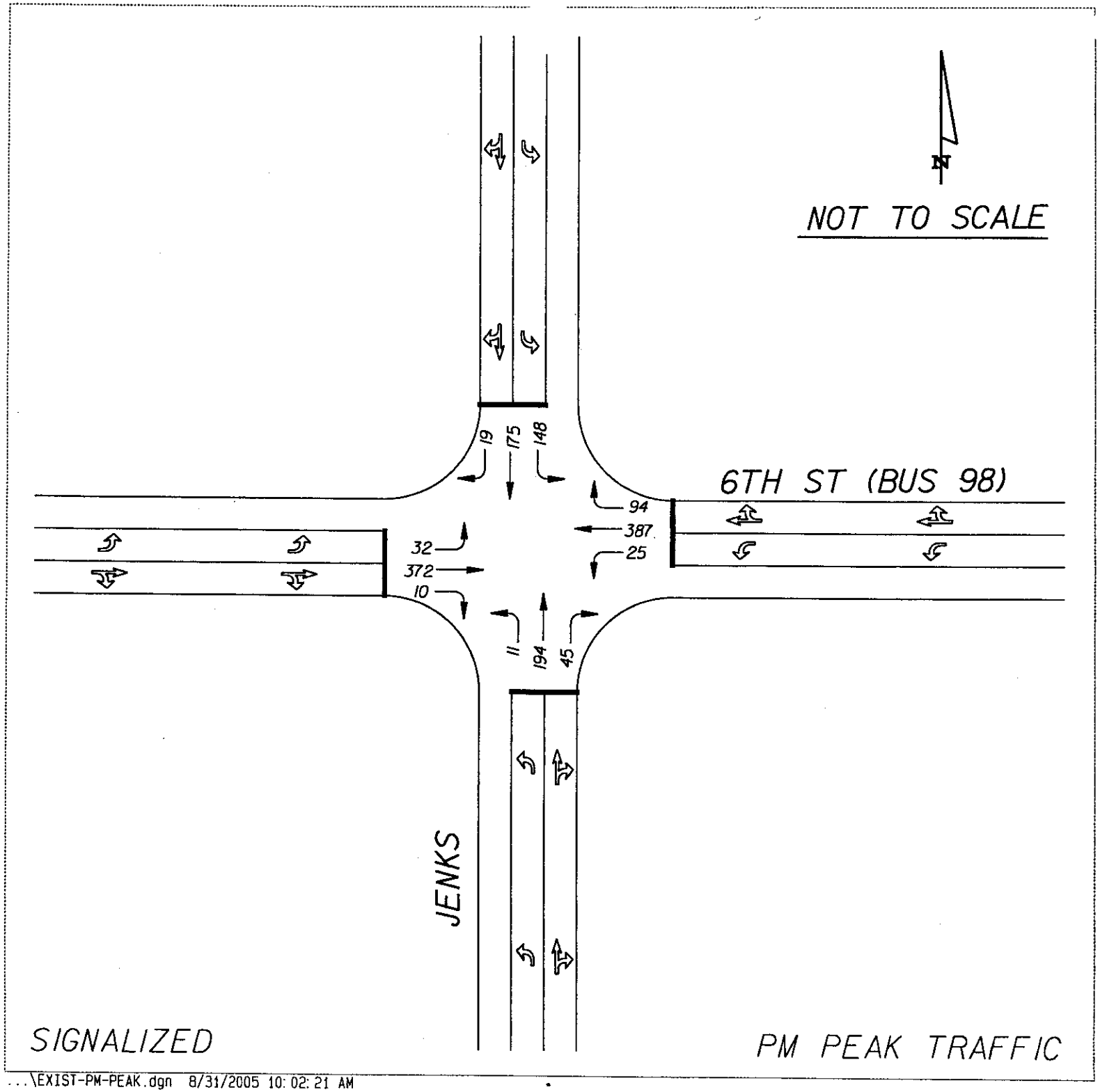

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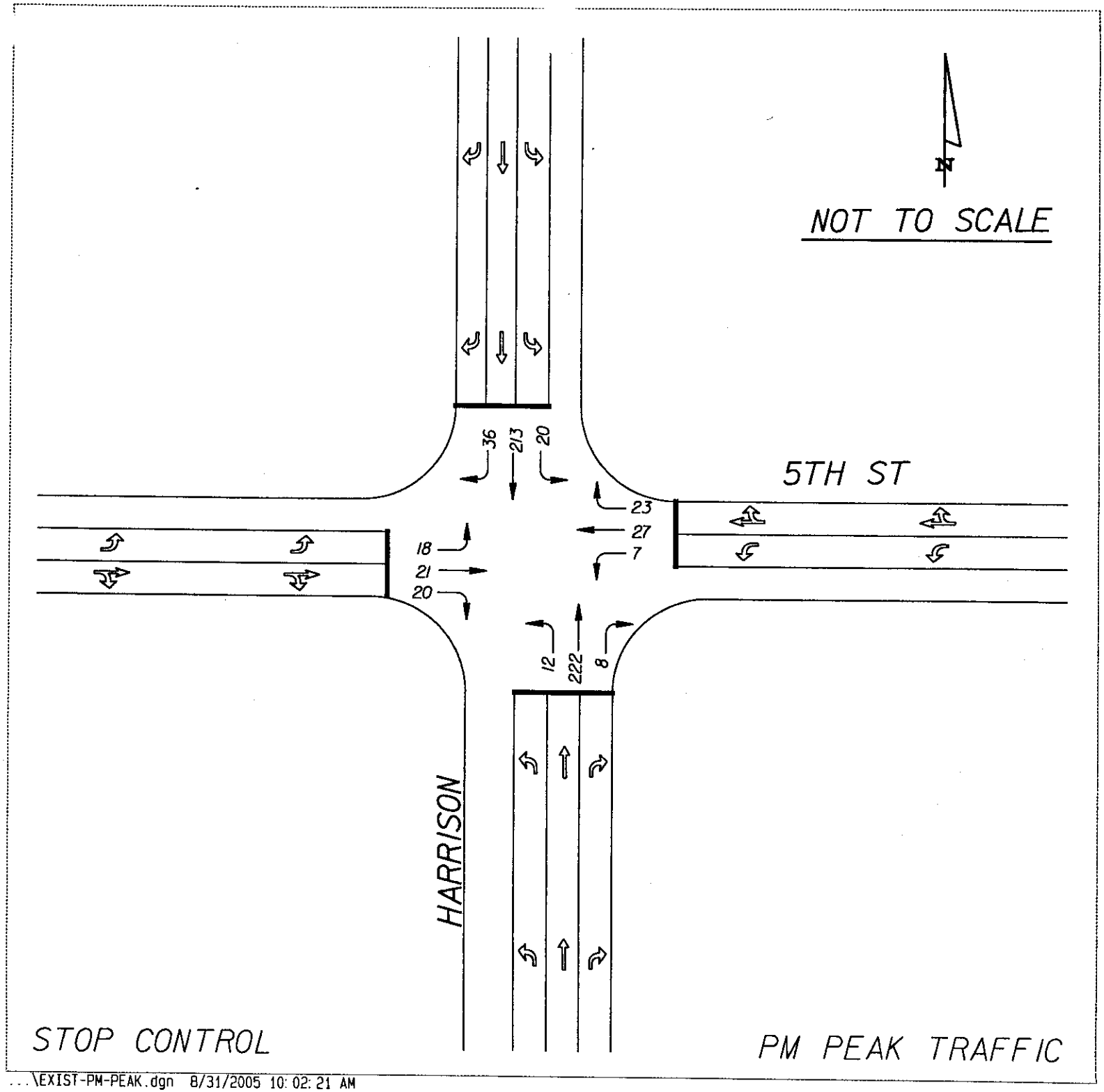

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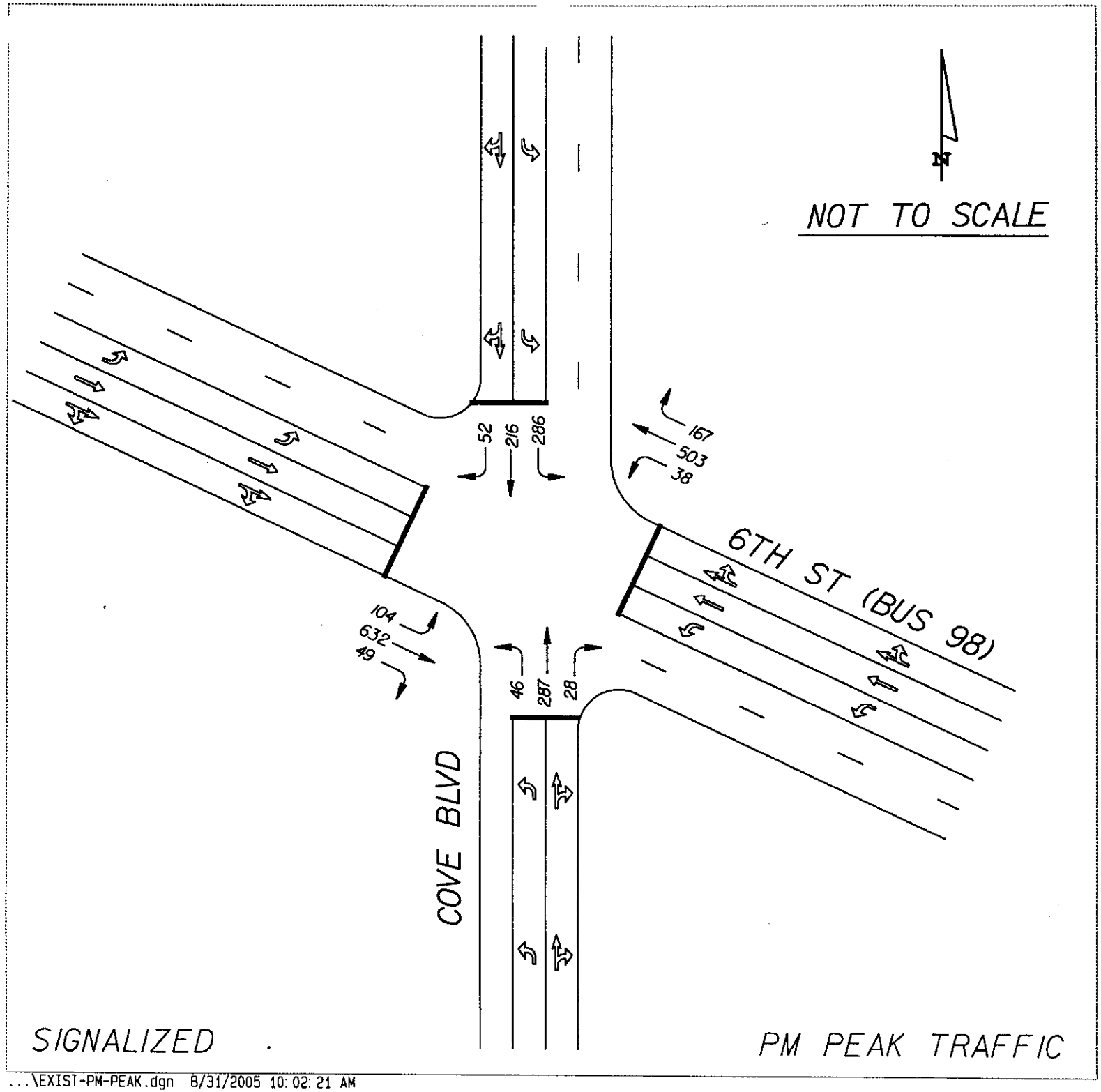

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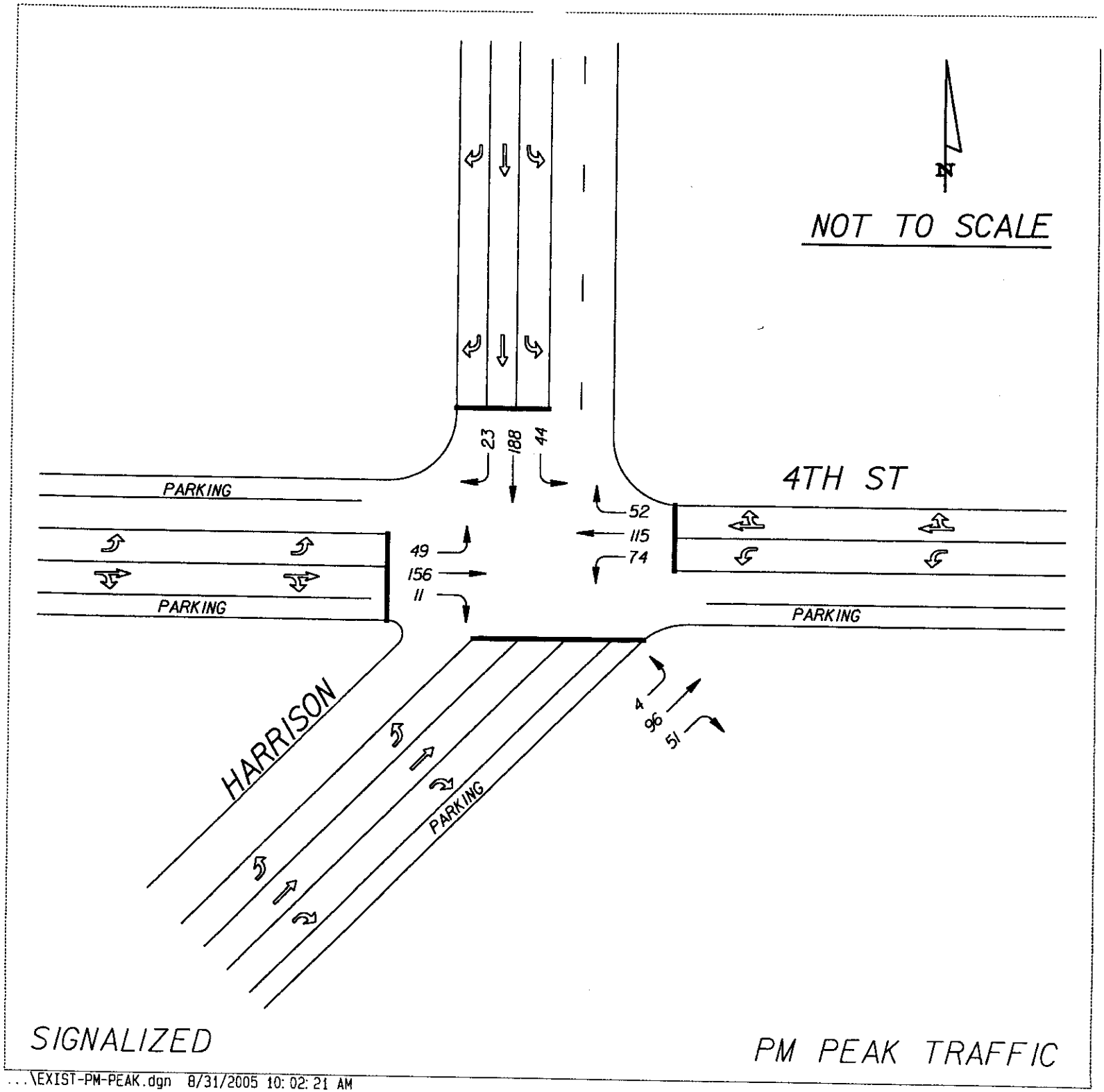

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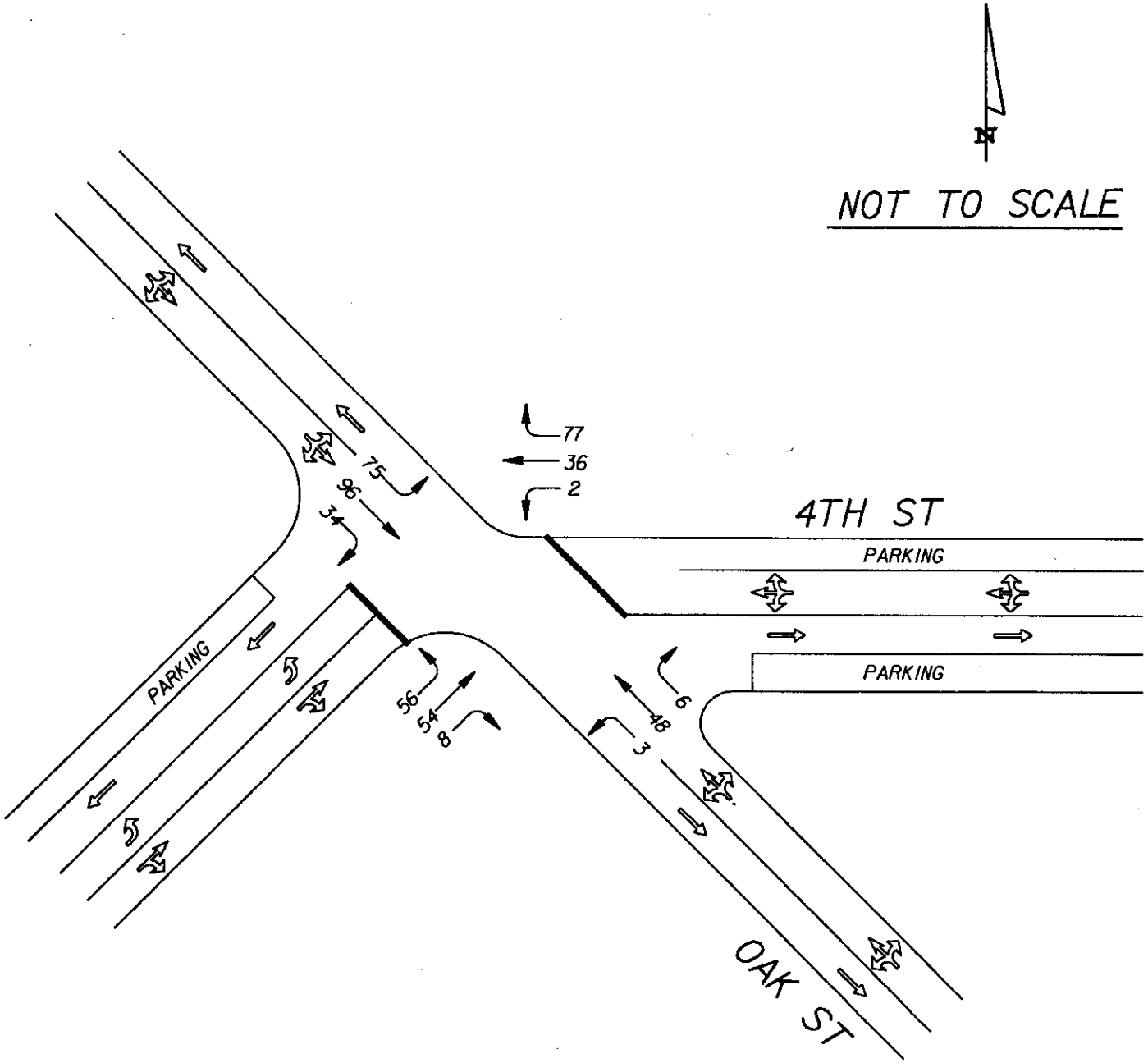

STOP CONTROL

PM PEAK TRAFFIC

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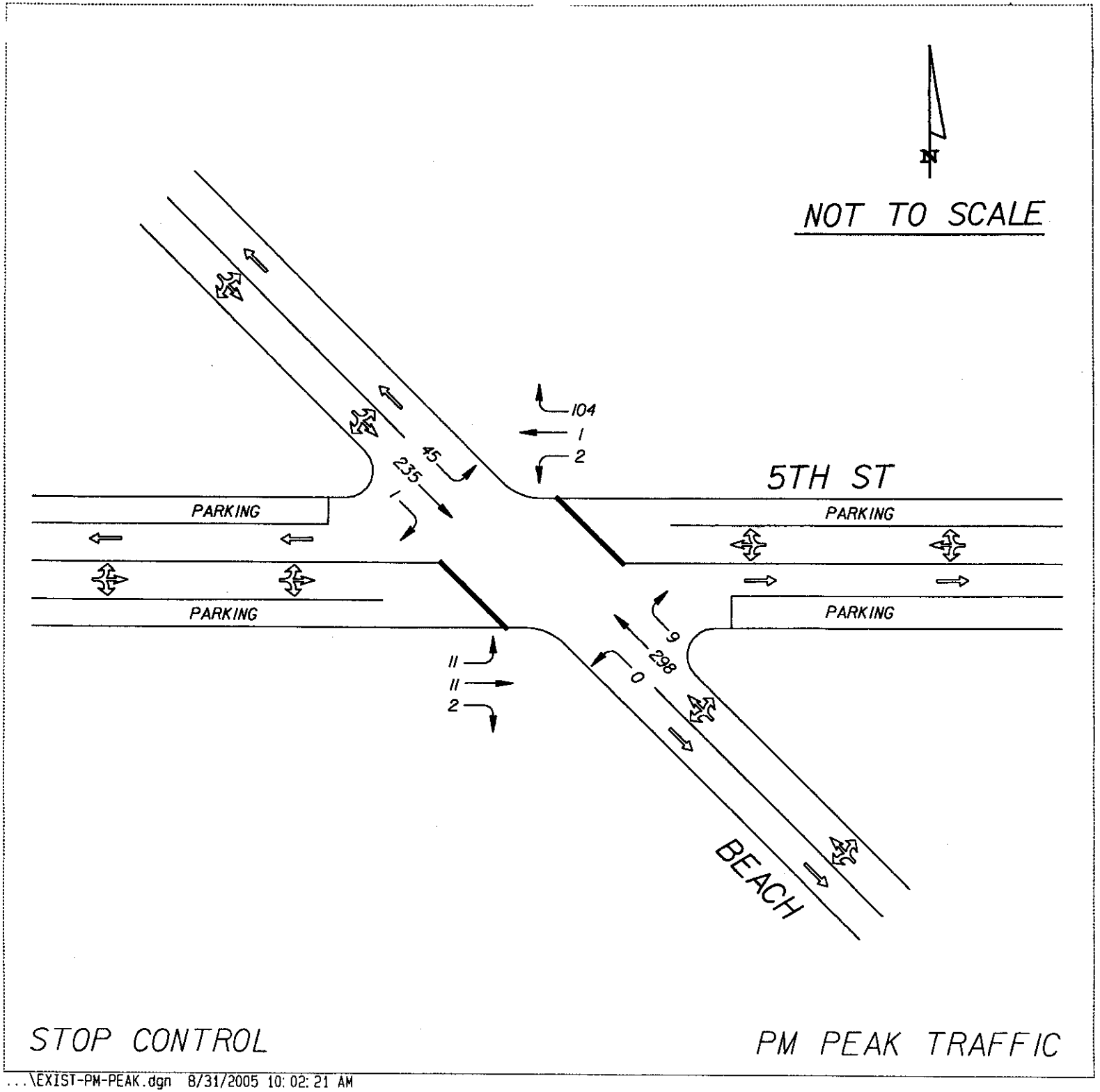

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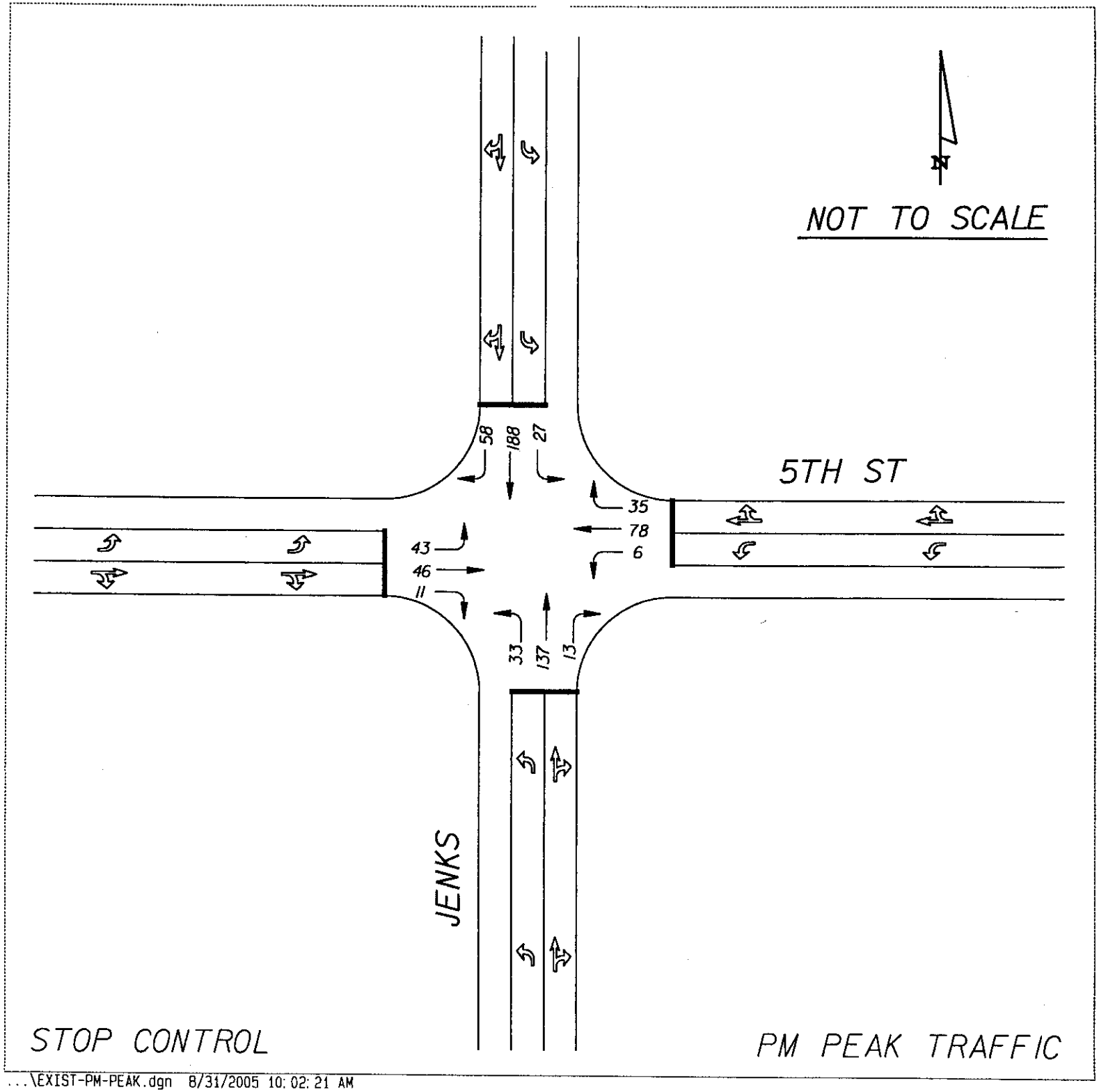

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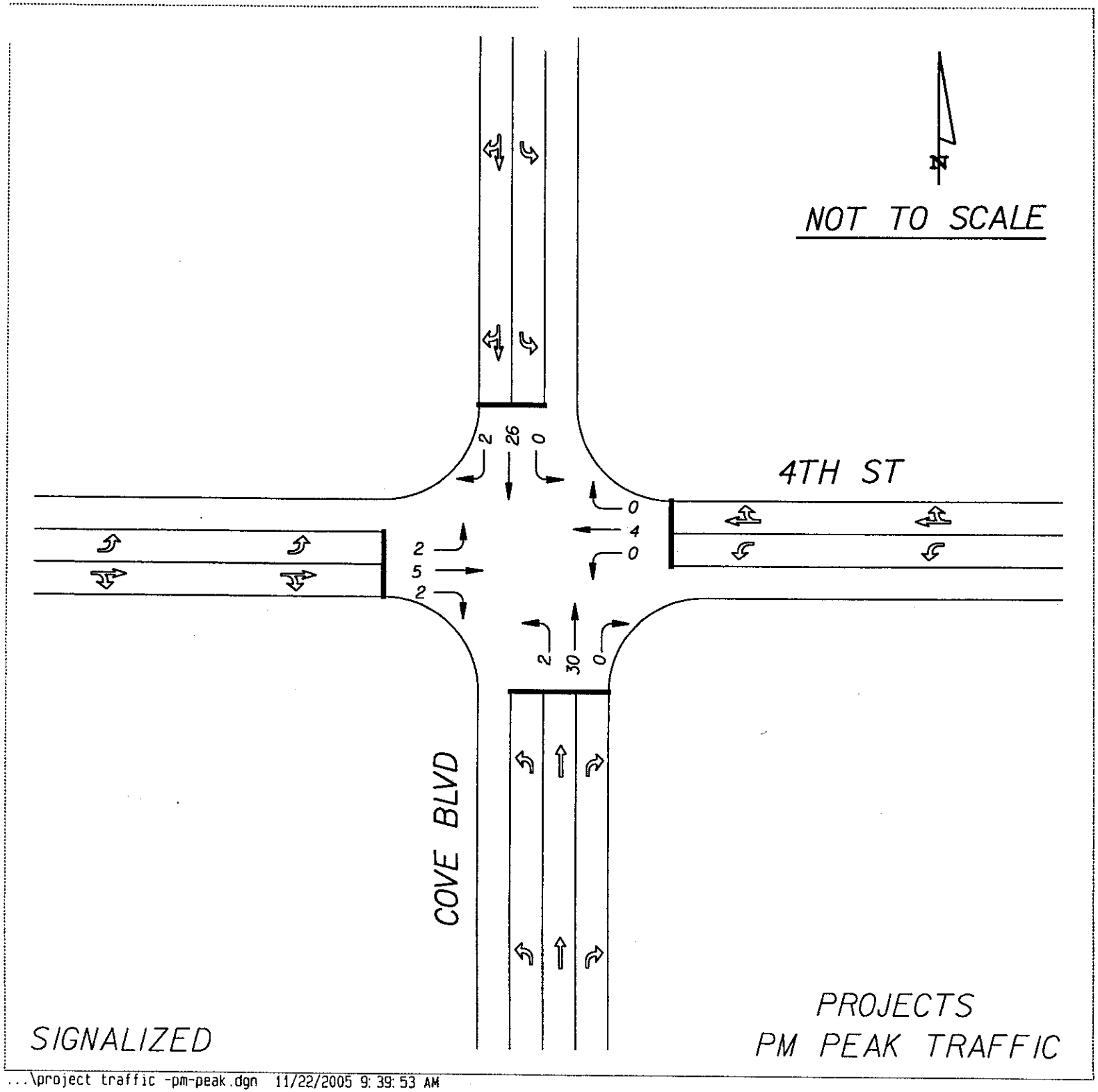

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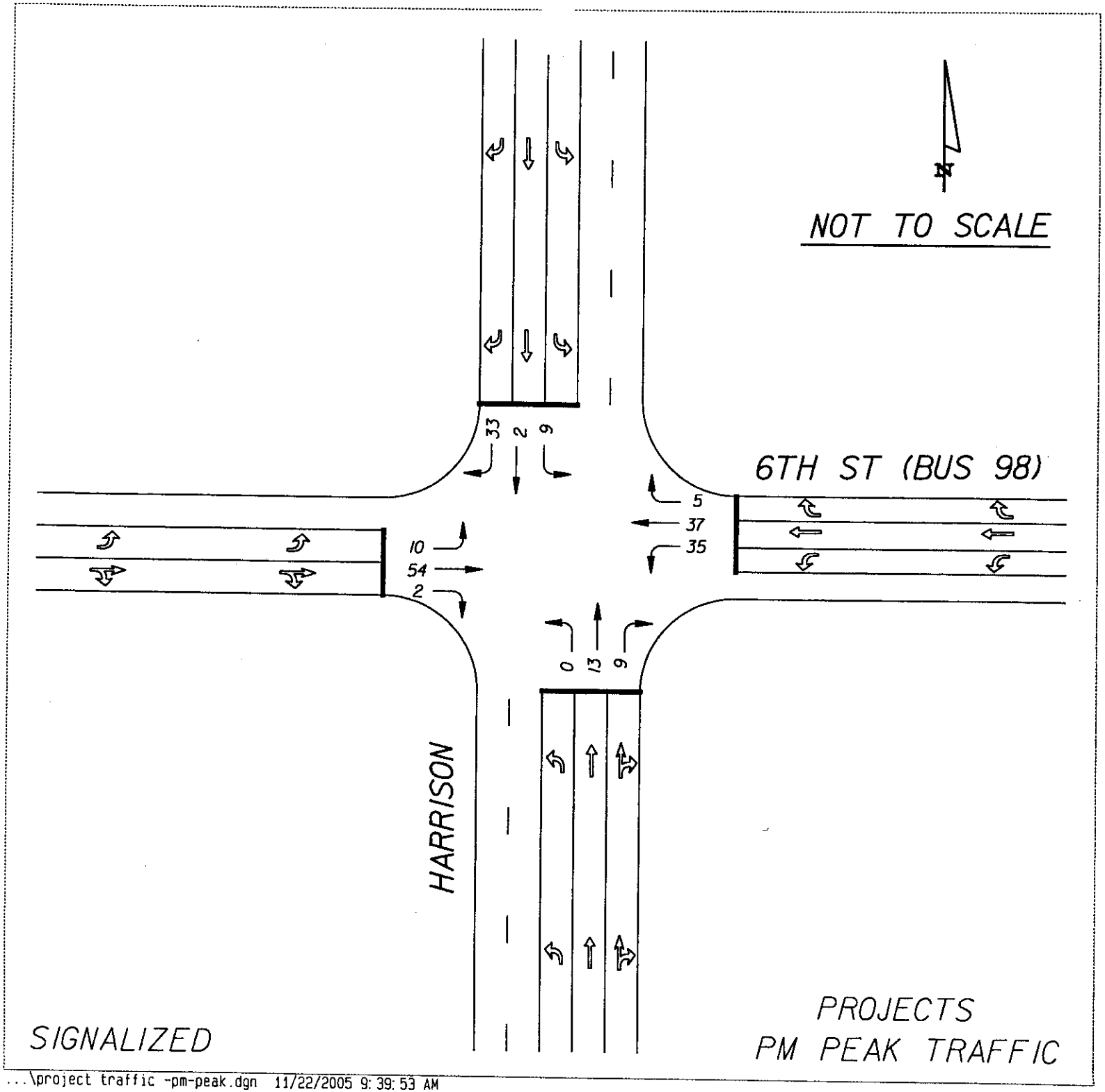

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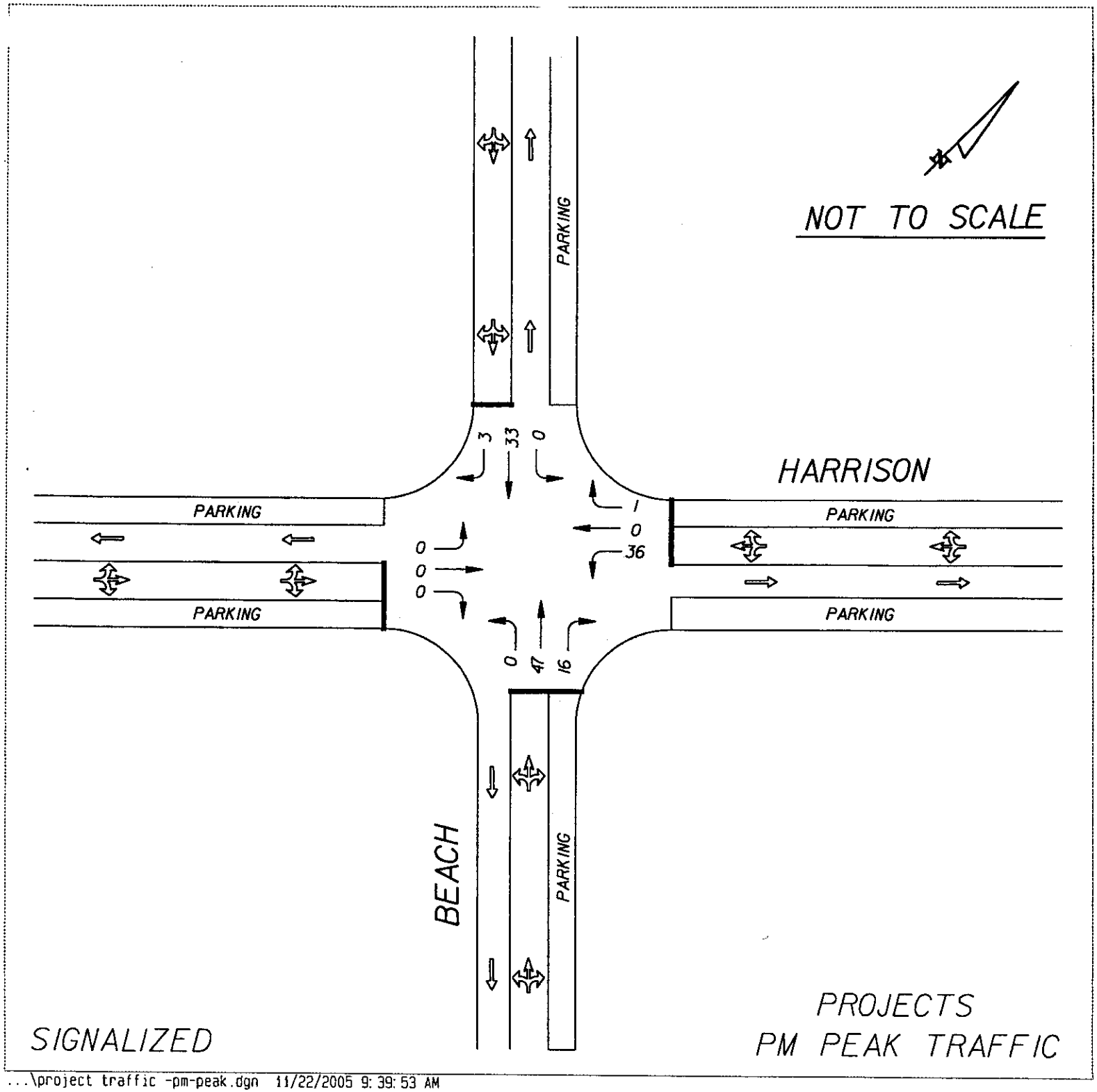

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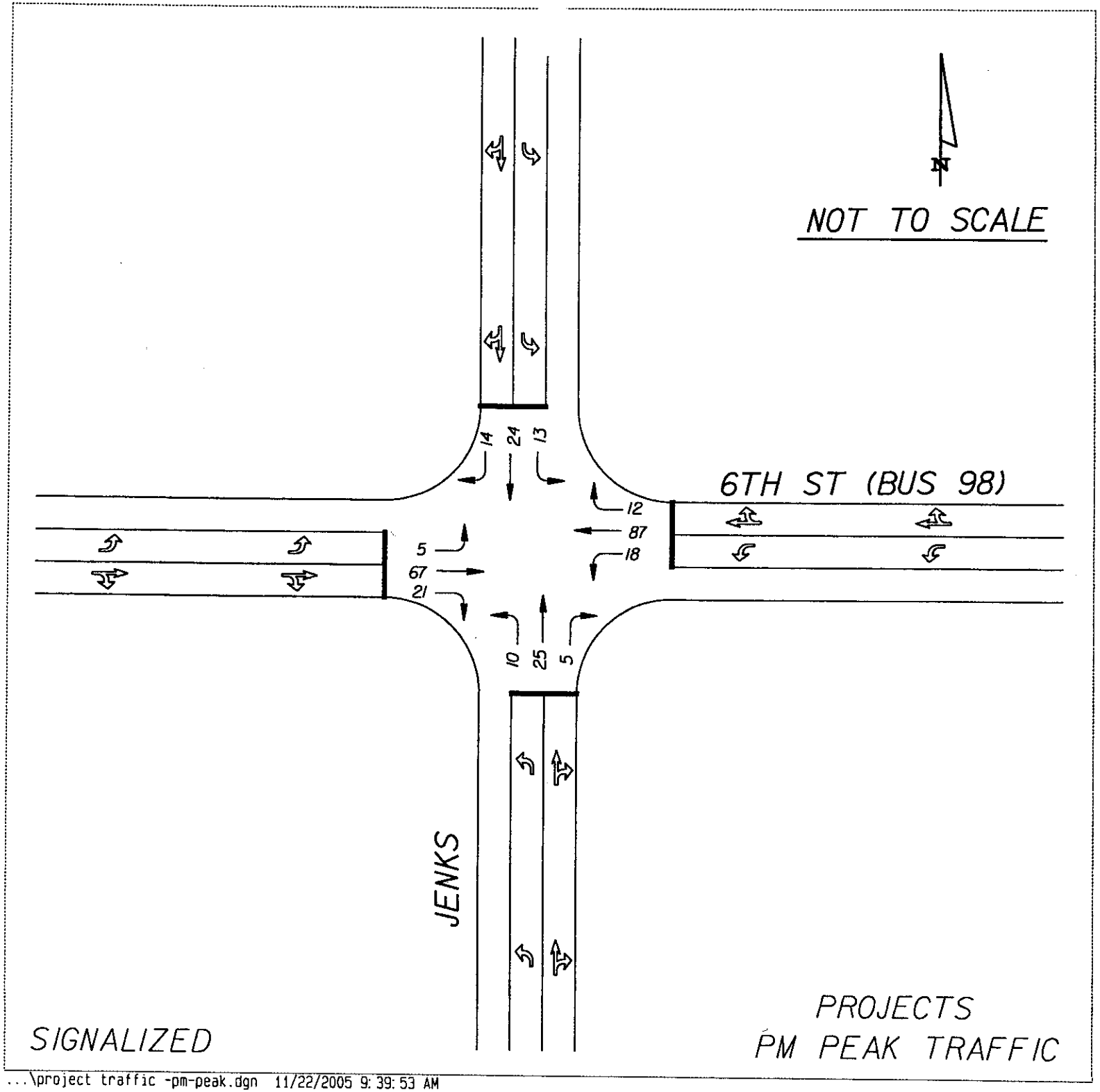

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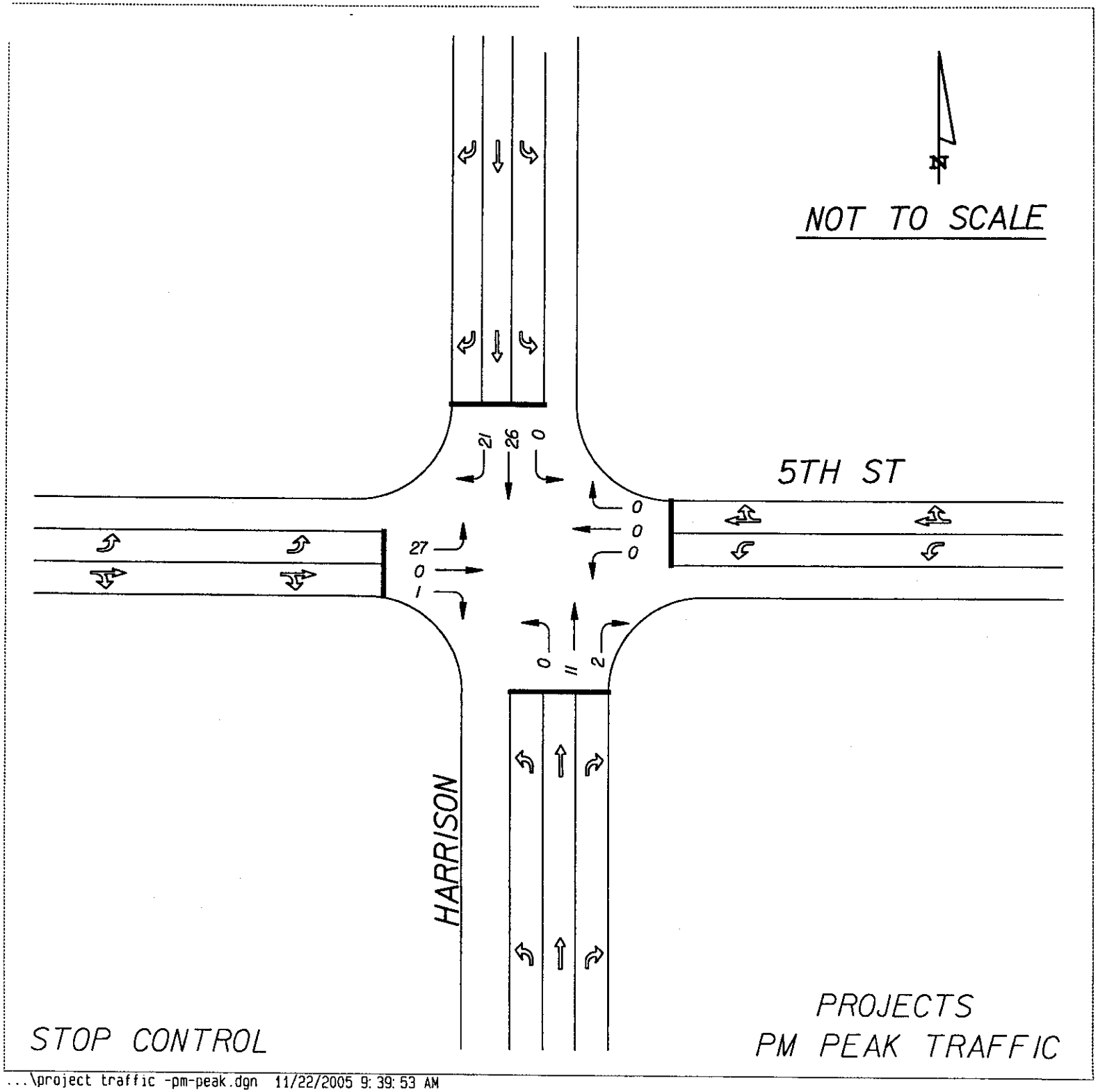

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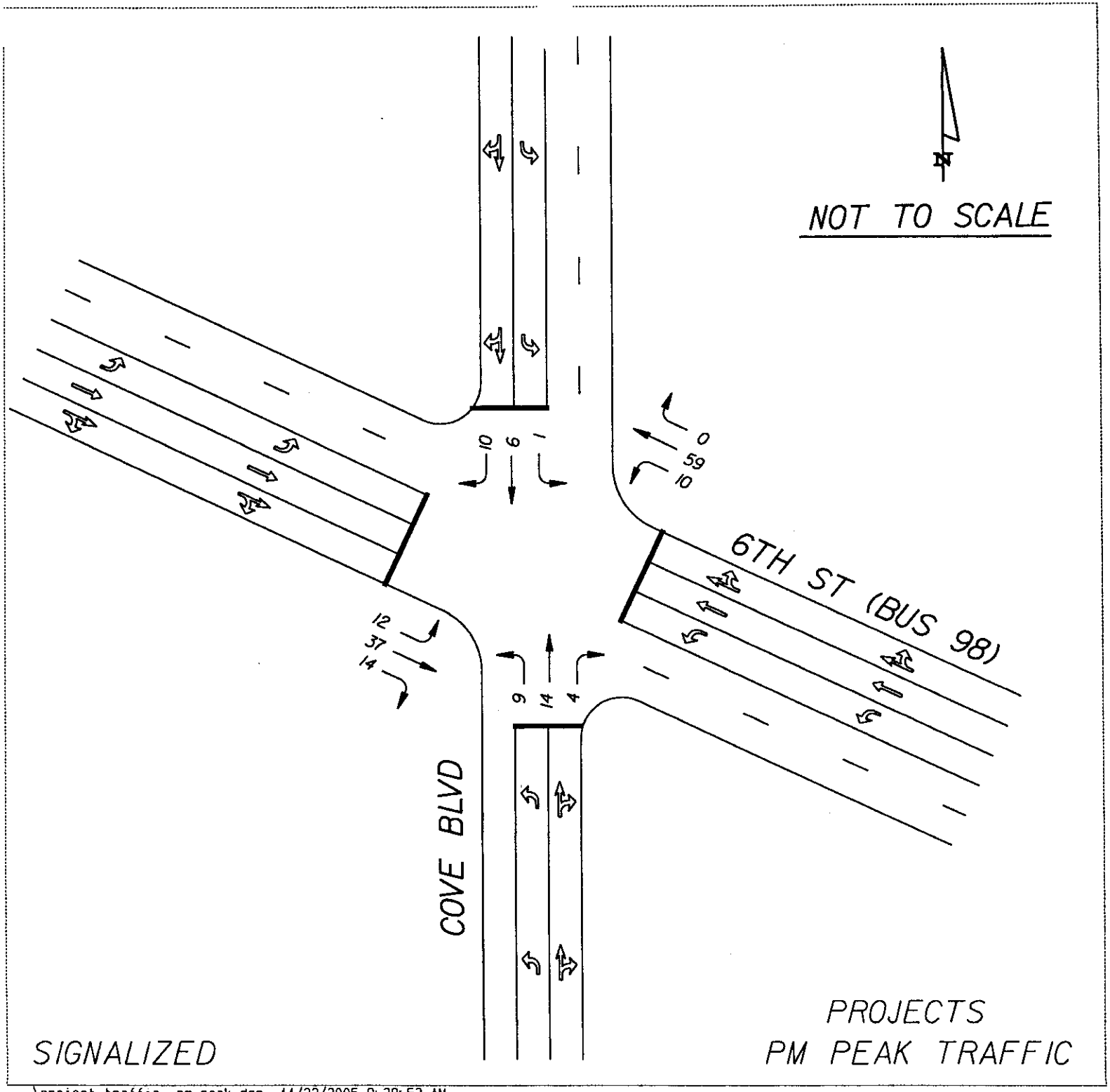

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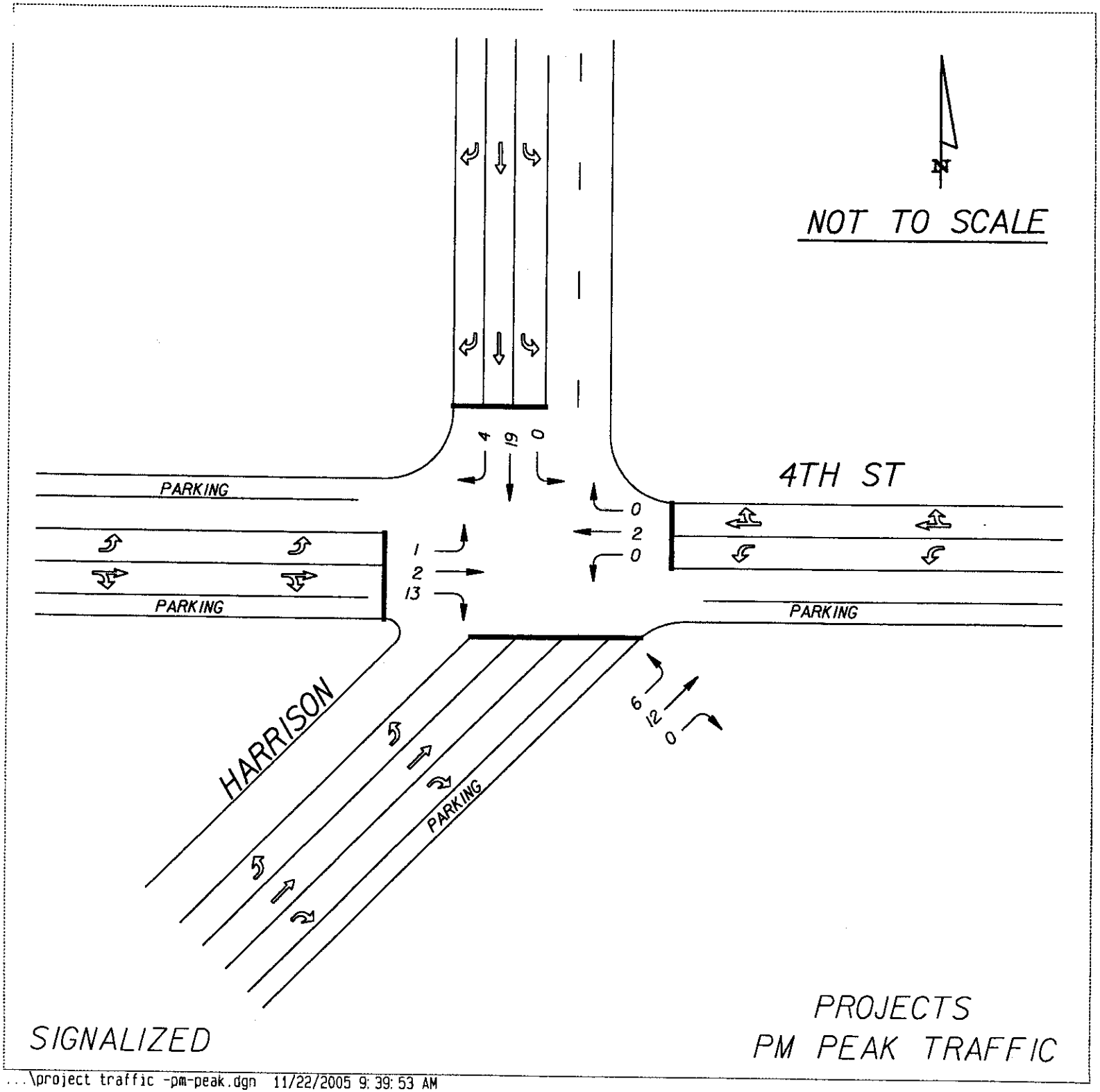

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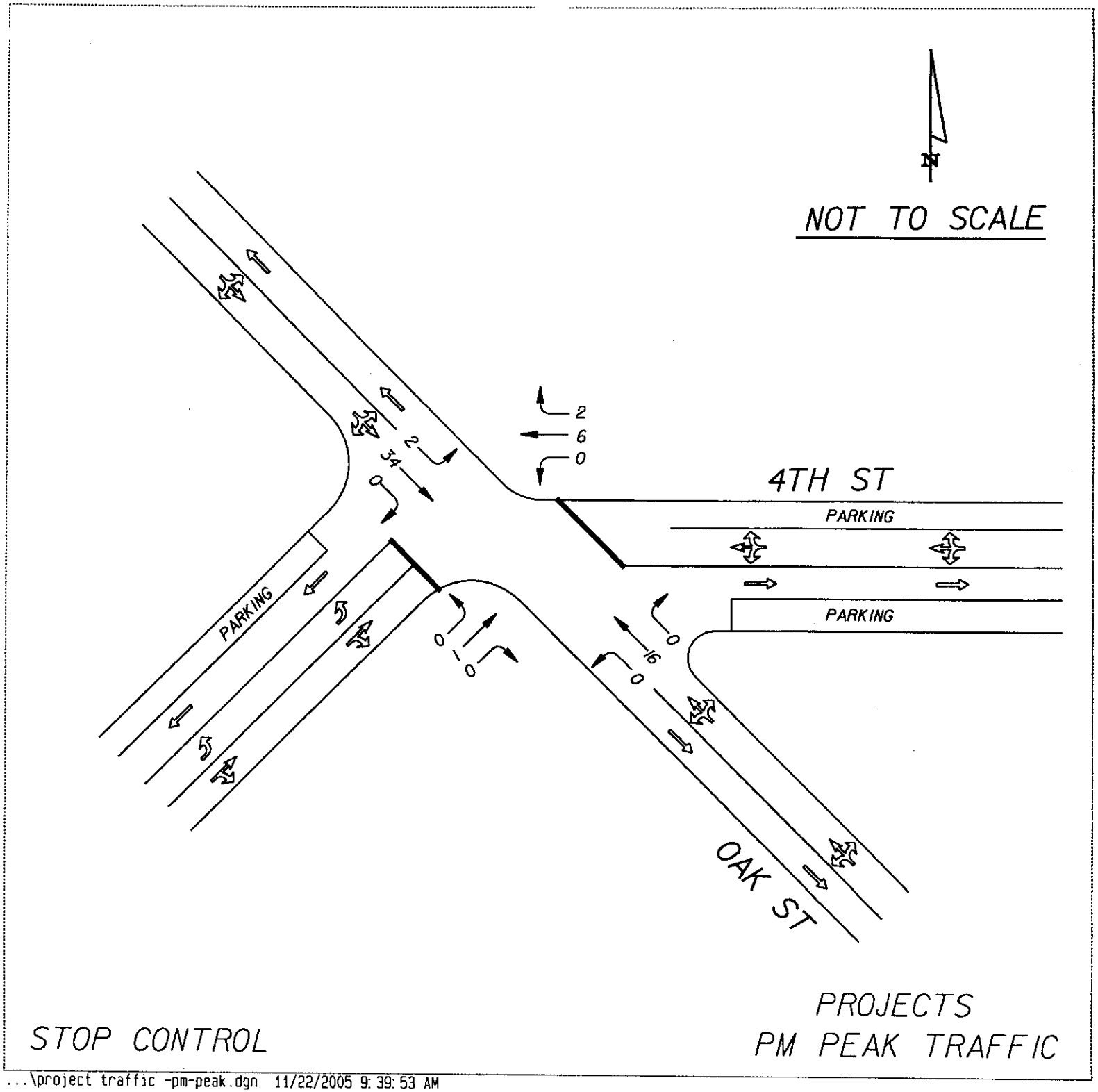

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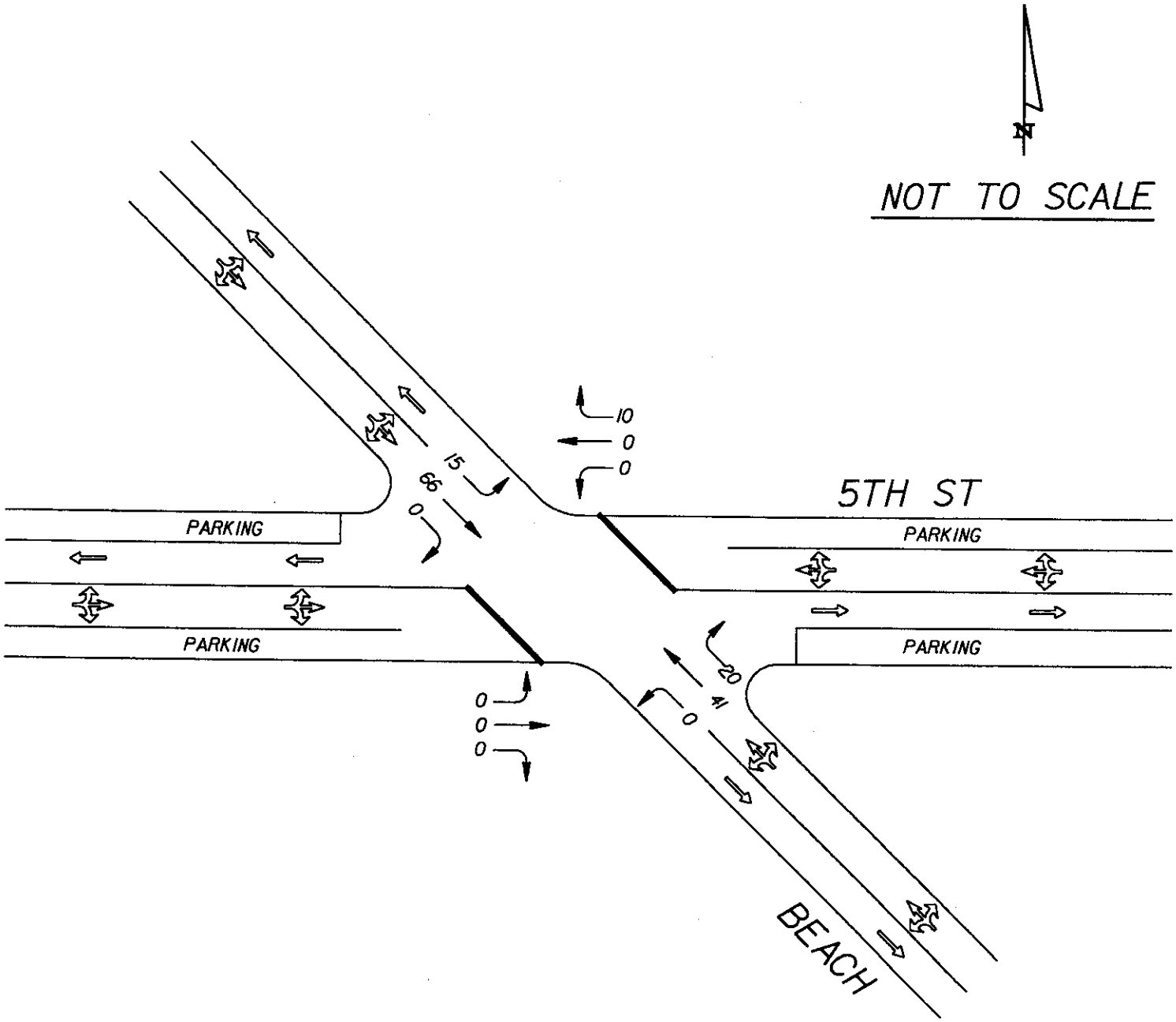

STOP CONTROL

PROJECTS
PM PEAK TRAFFIC

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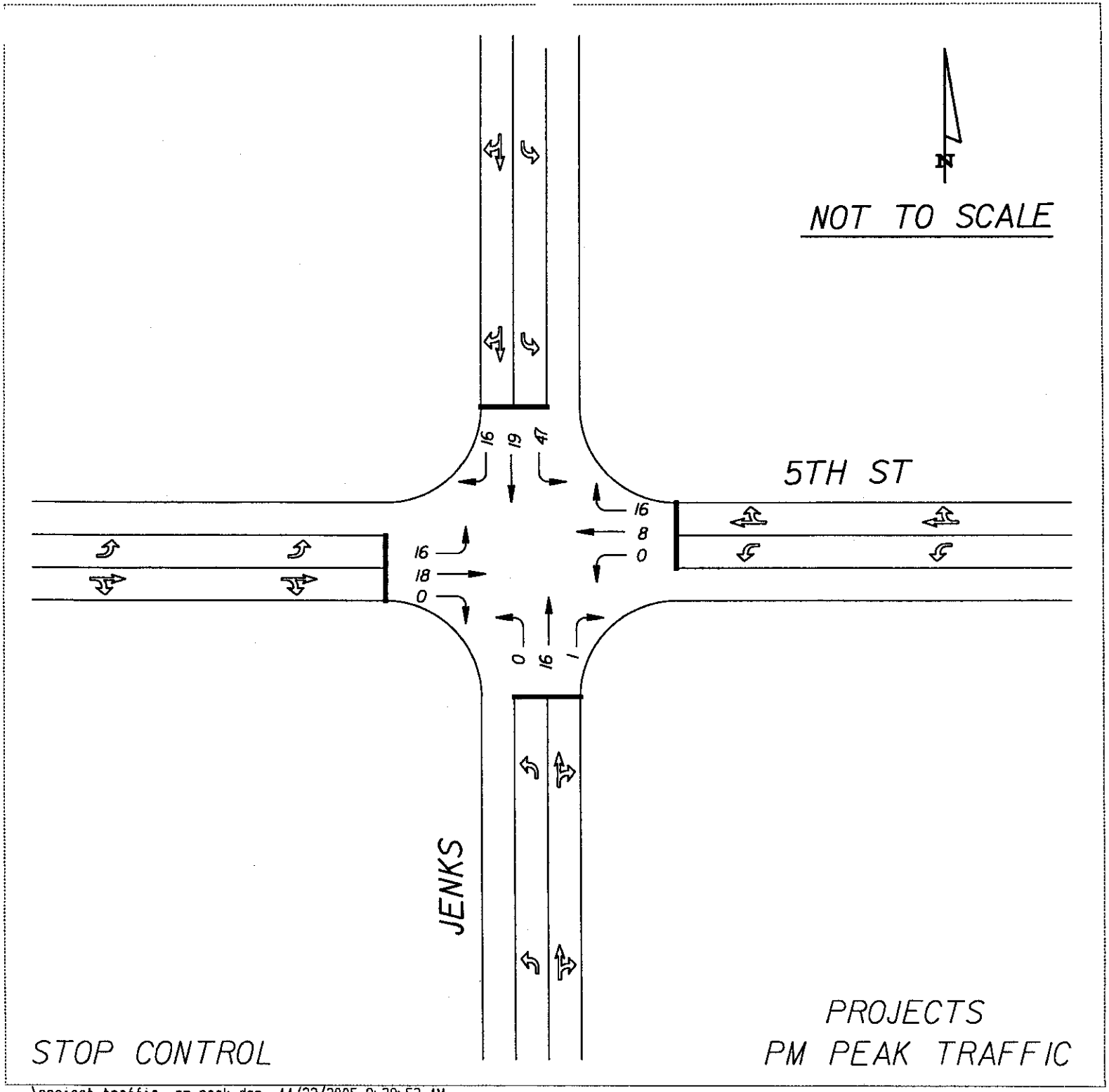

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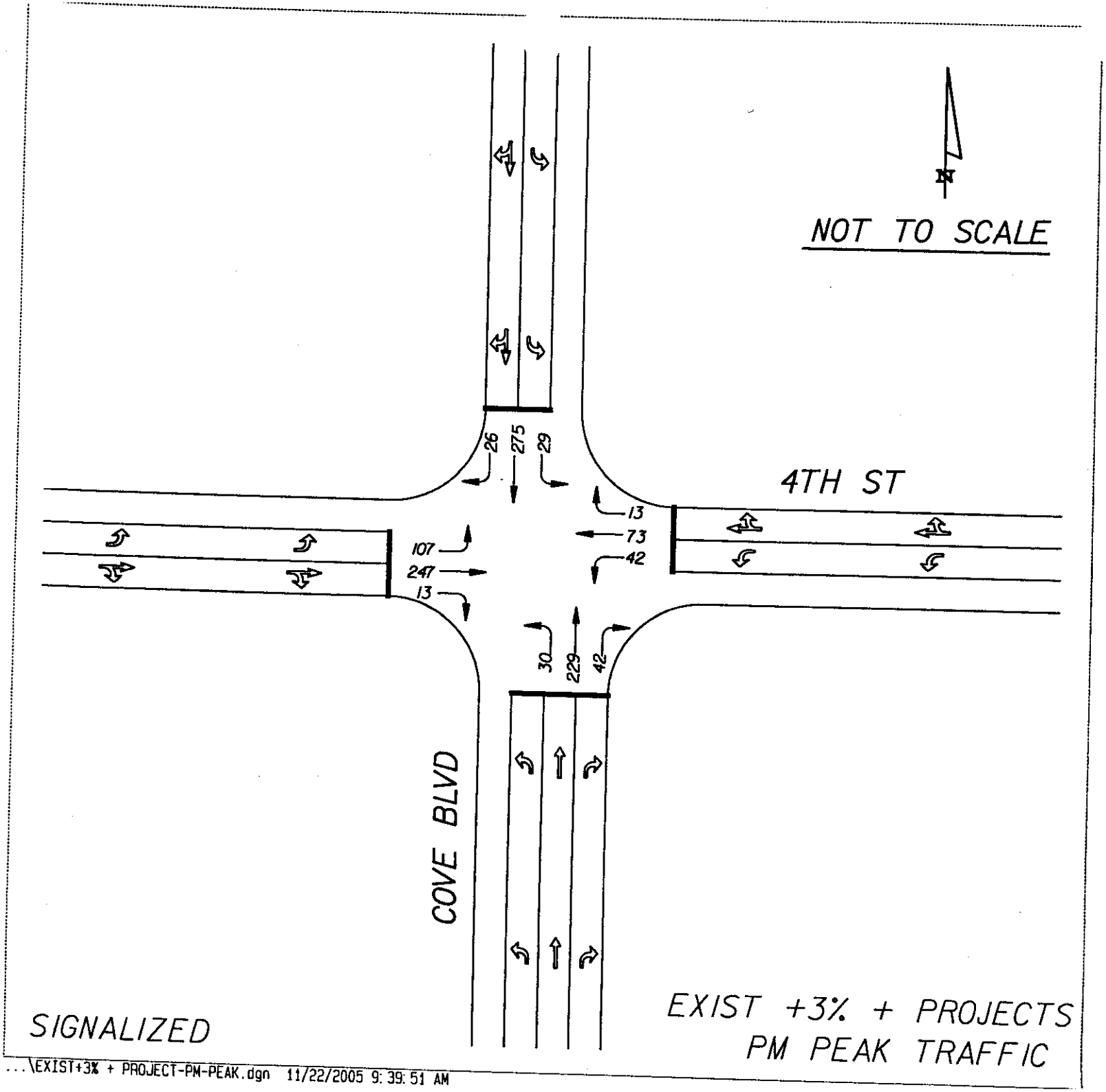

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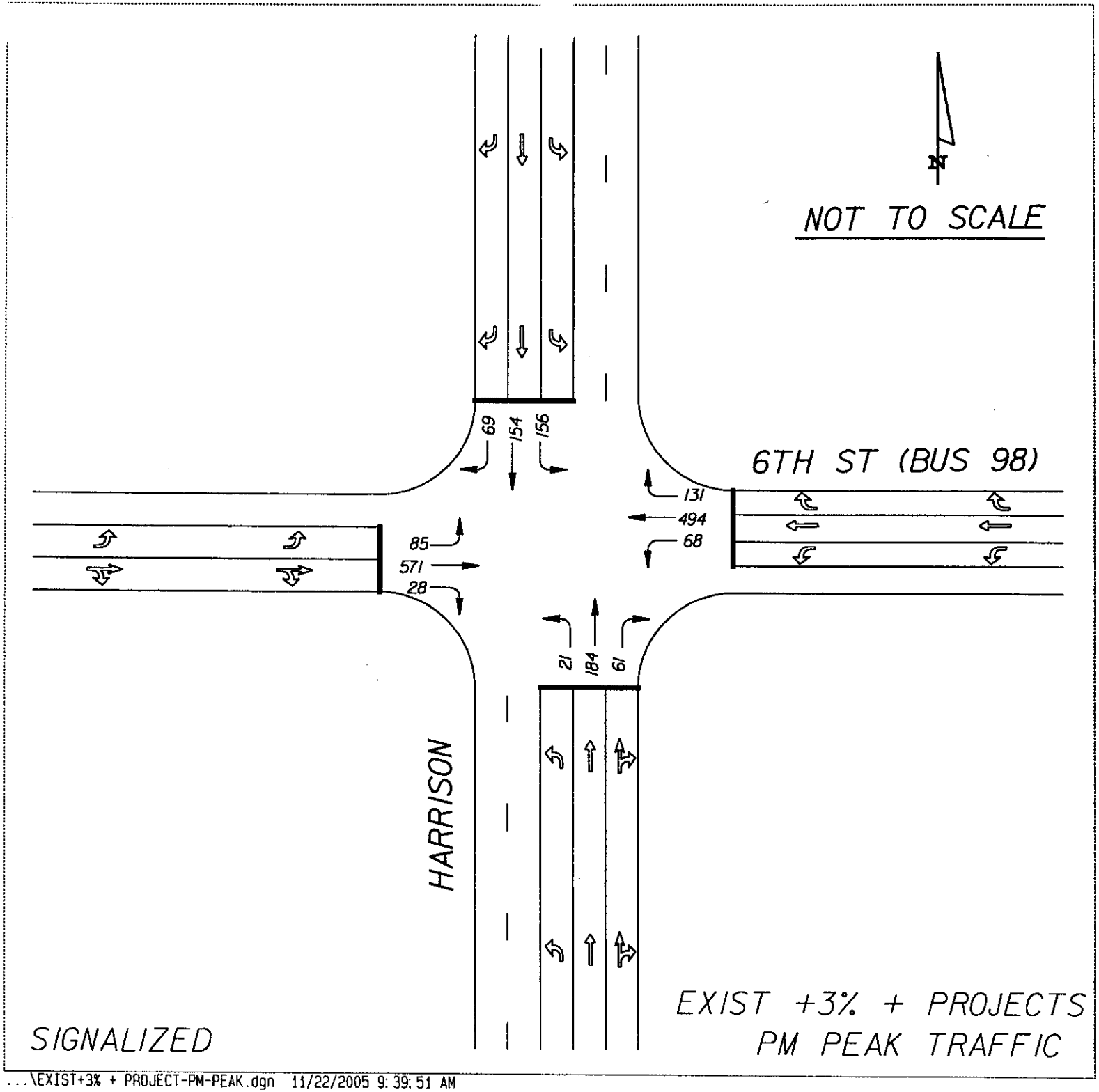

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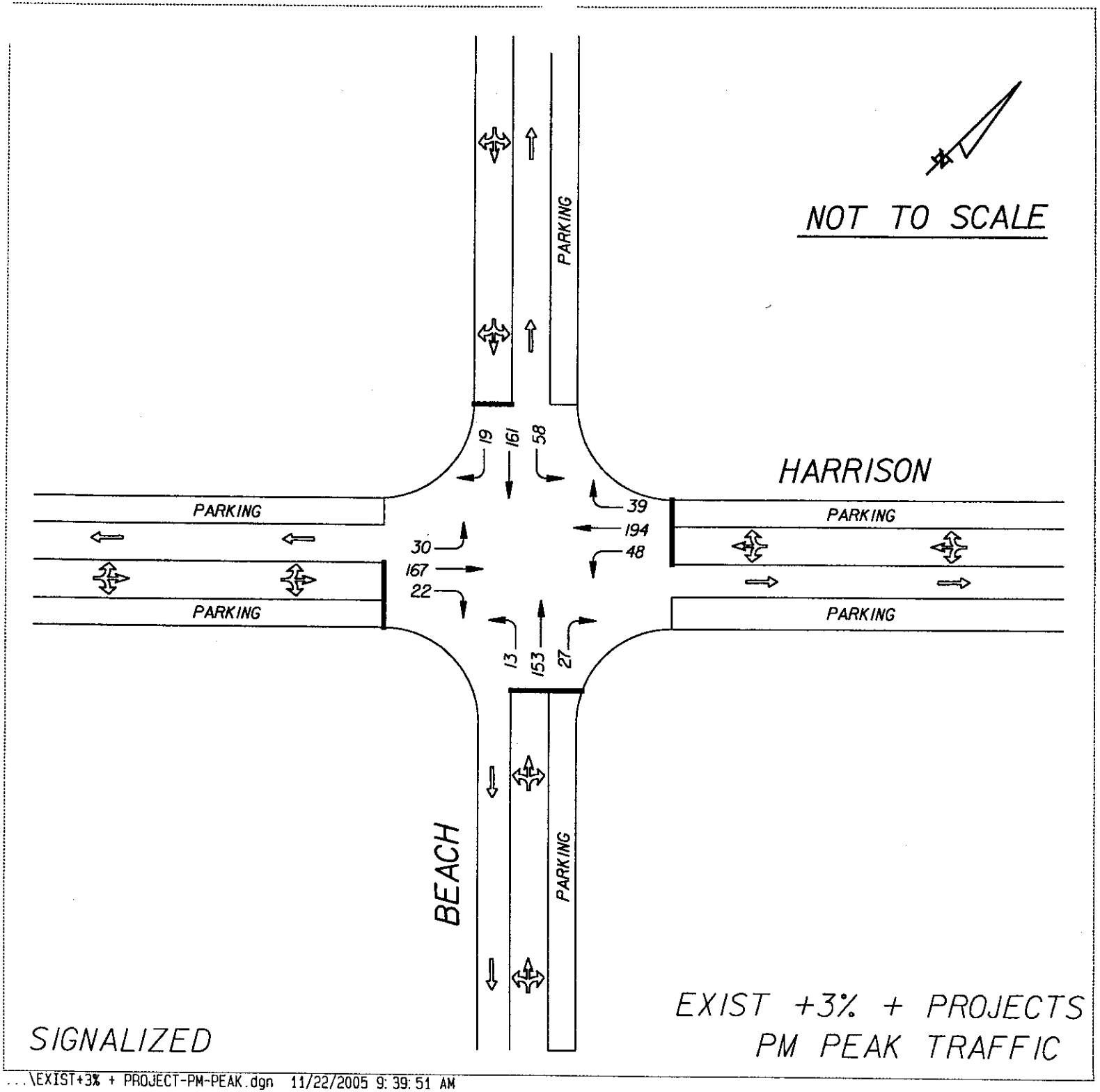

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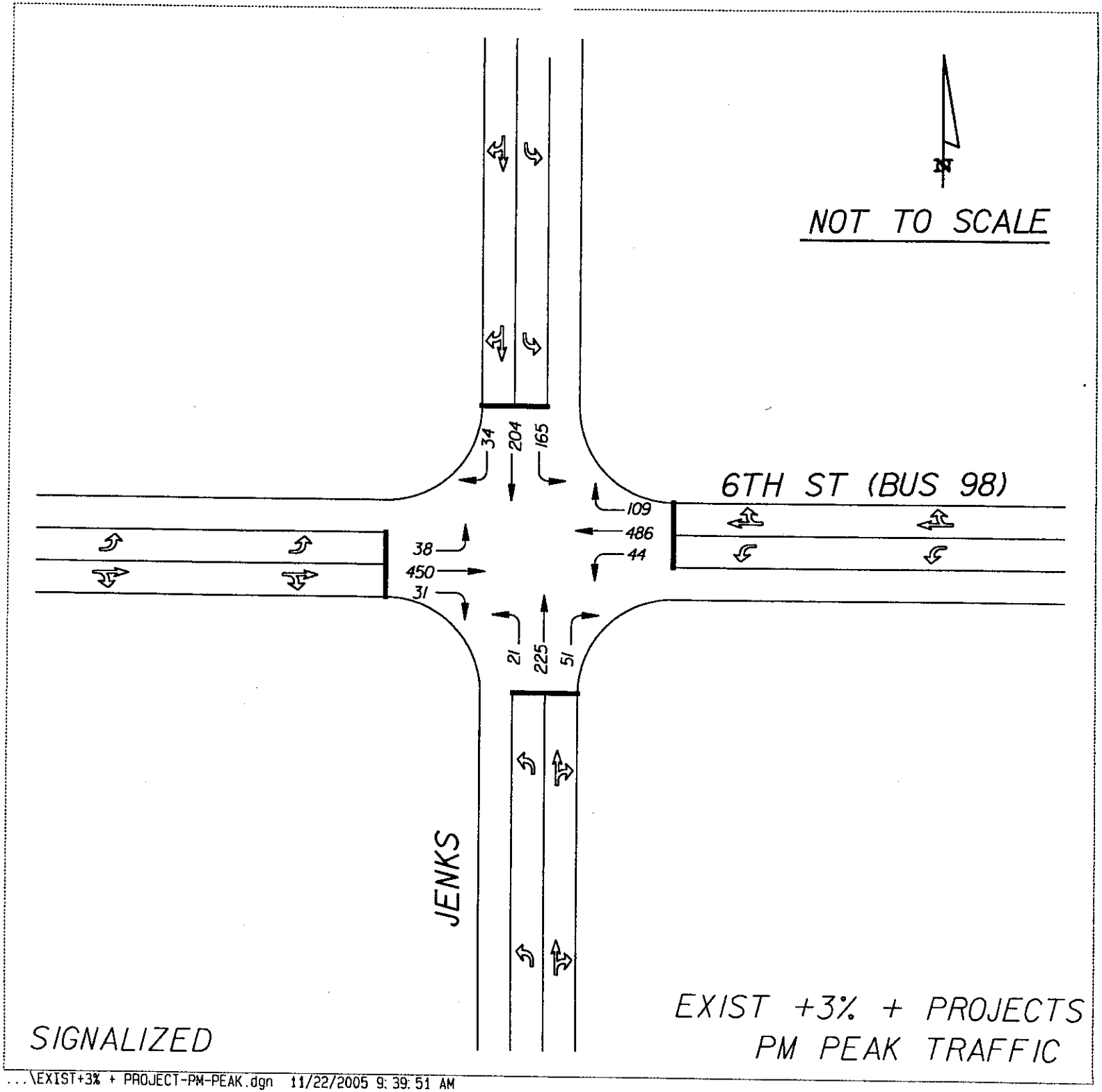

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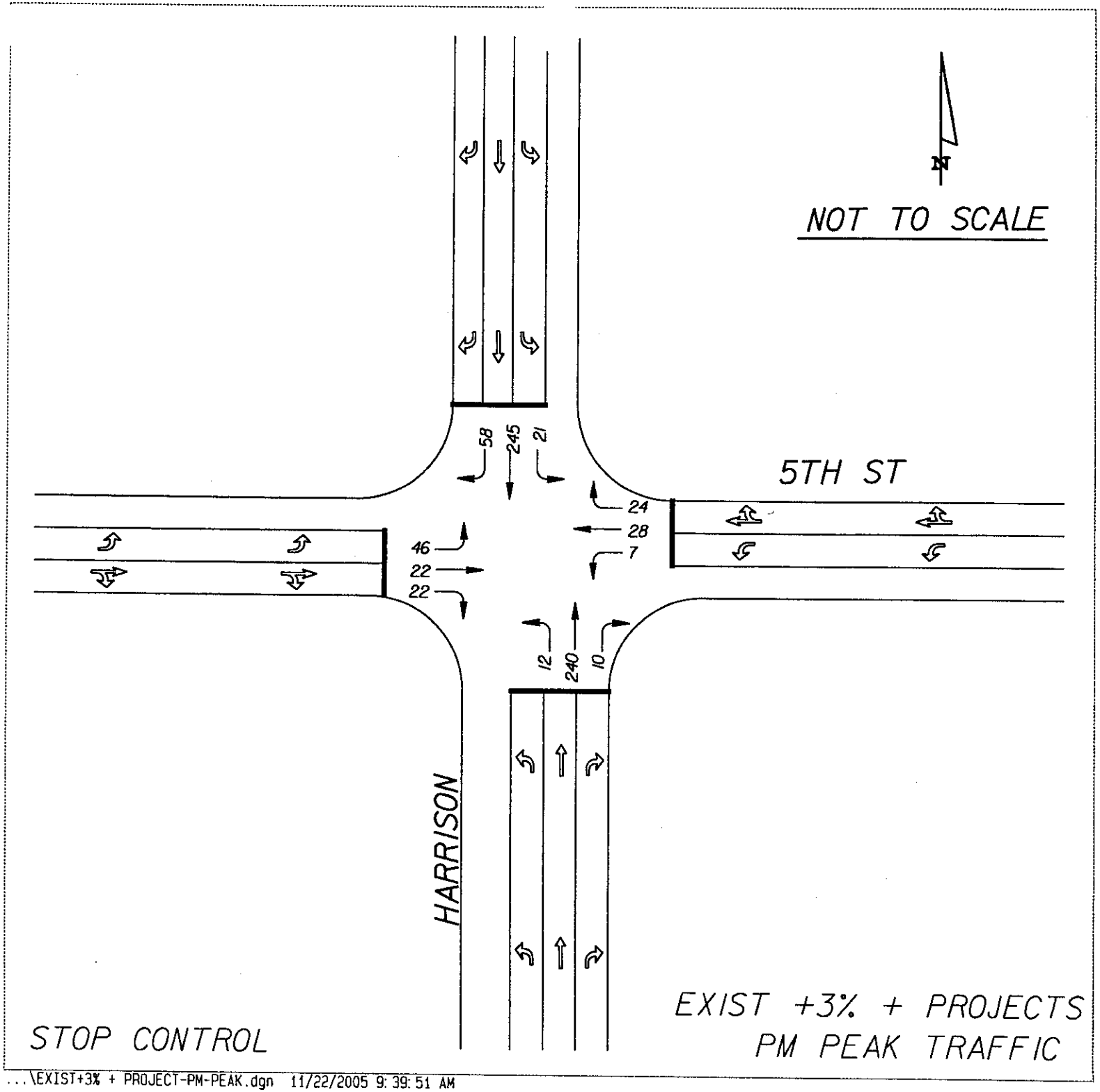

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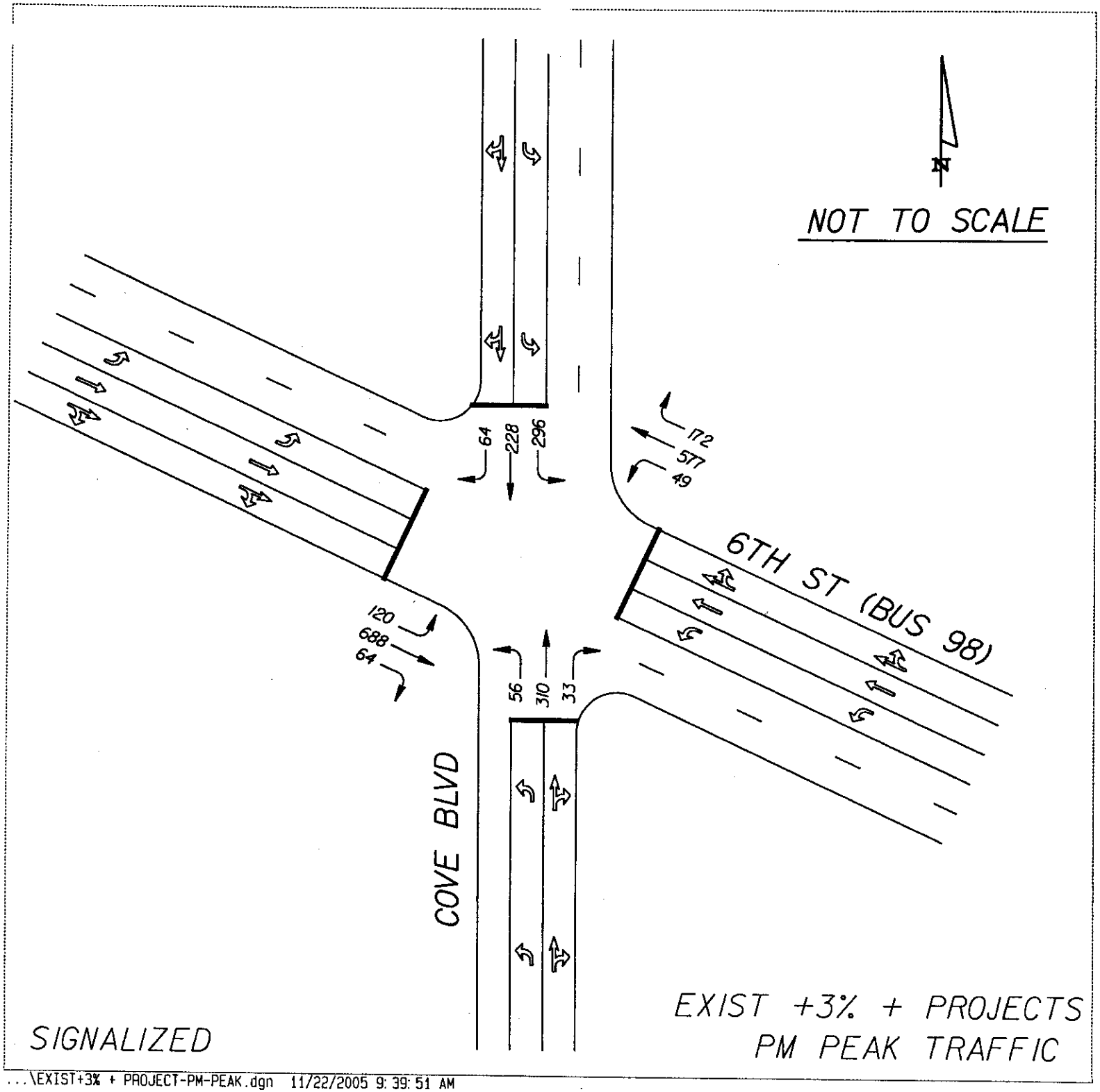

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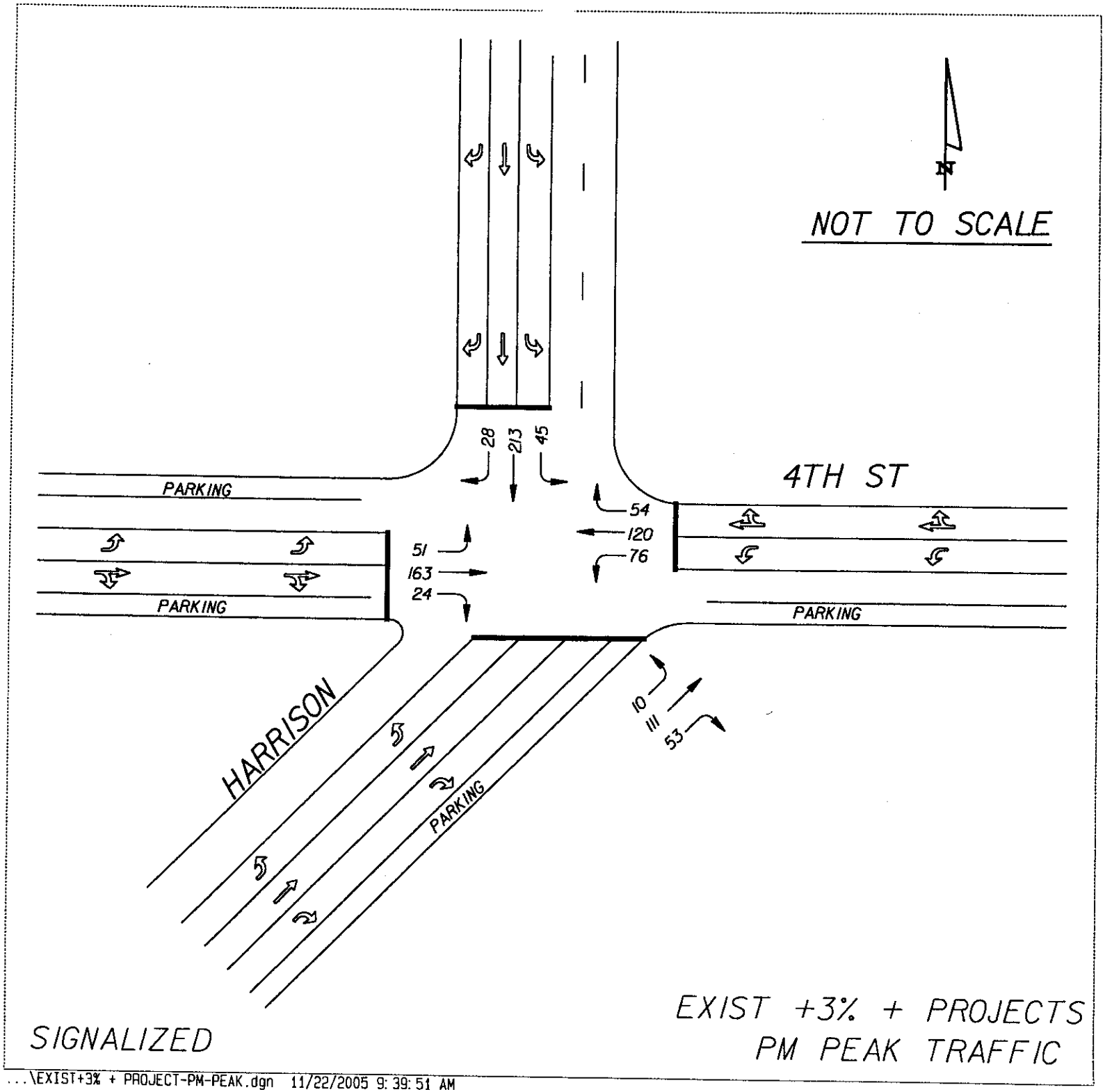

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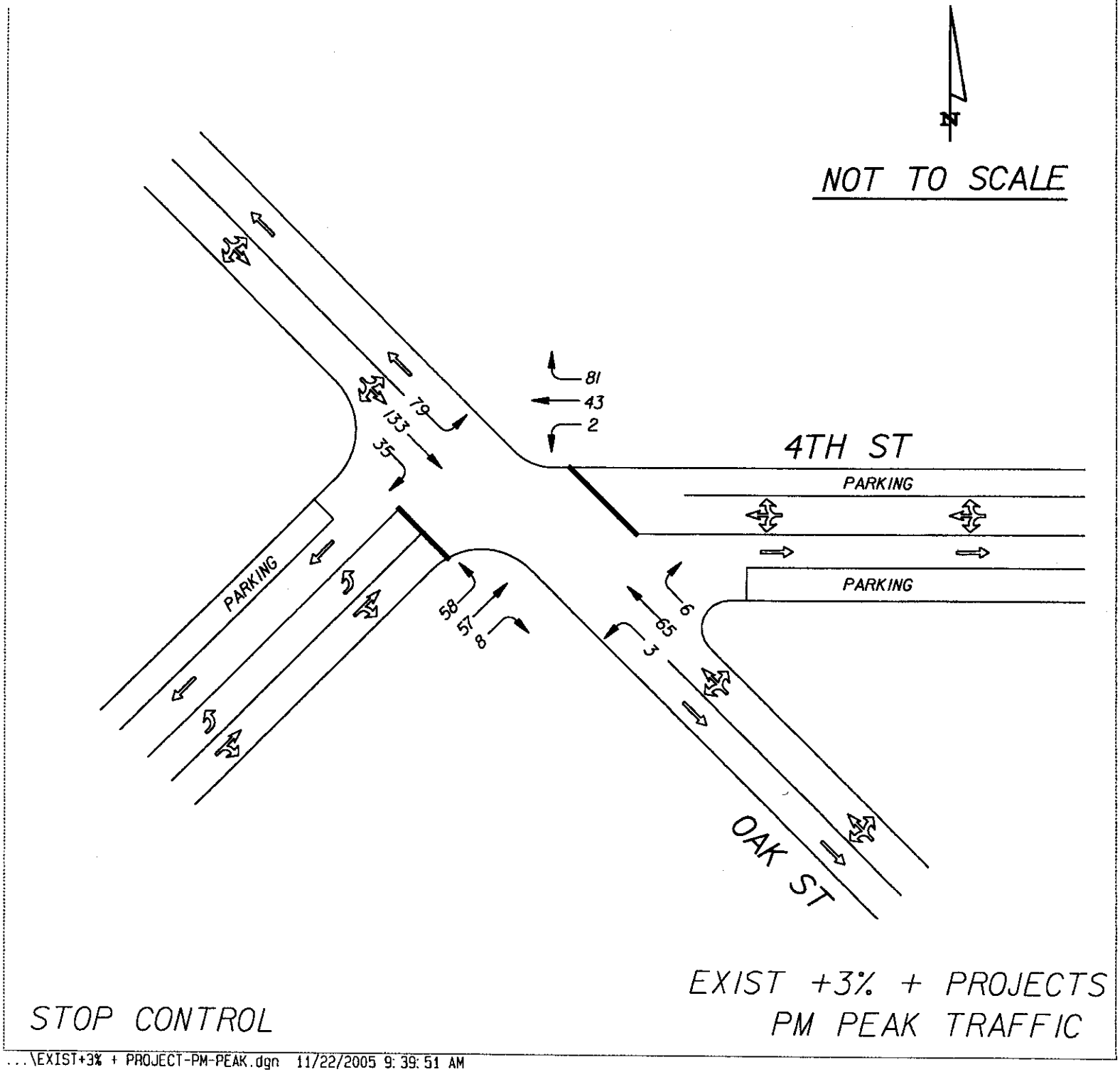

STOP CONTROL

EXIST +3% + PROJECTS
PM PEAK TRAFFIC

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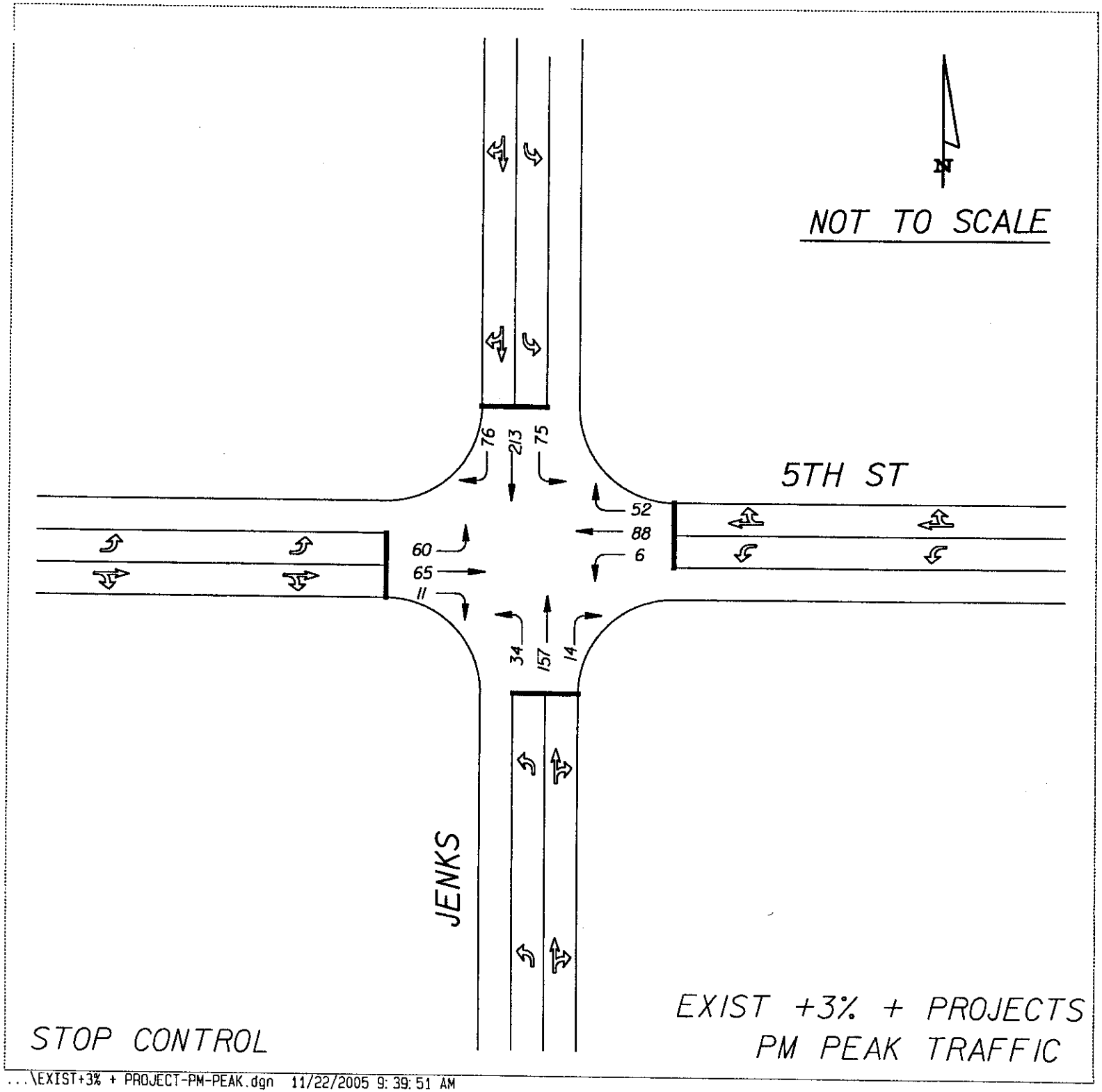

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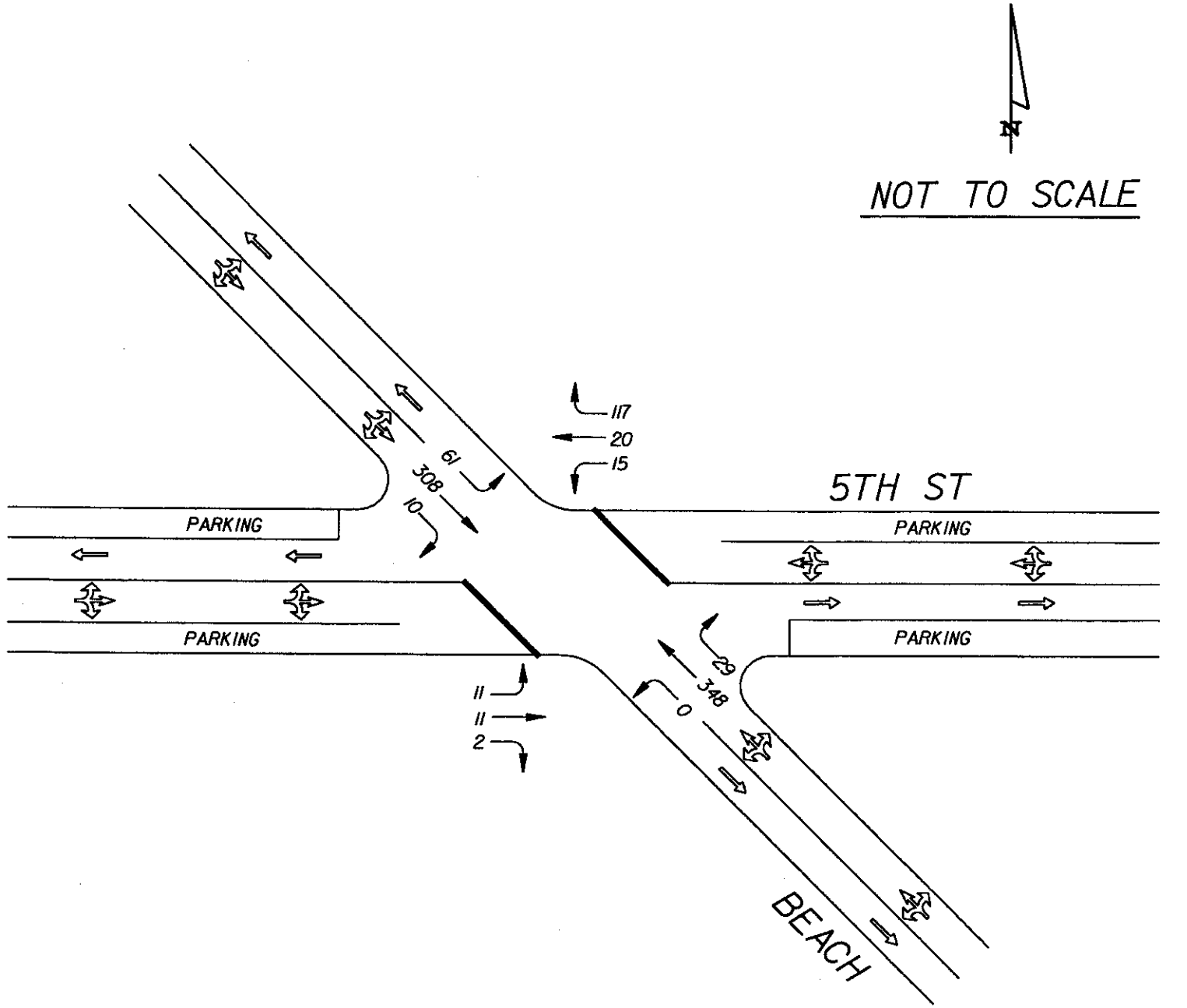

STOP CONTROL

EXIST +3% + PROJECTS
PM PEAK TRAFFIC

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APPENDIX F

FUTURE CONDITIONS INTERSECTION ANALYSIS DETAILS

PM CAPACITY ANALYSIS – SIGNALIZED INTERSECTIONS

INTERSECTION	V/C RATIO	STATUS
4th Street / Cove Boulevard	0.45	UNDER CAPACITY
6th Street / Cove Boulevard	0.85	UNDER CAPACITY
4th Street / Harrison Avenue	0.39	UNDER CAPACITY
6th Street / Harrison Avenue	0.62	UNDER CAPACITY
Beach Drive / Harrison Avenue	0.49	UNDER CAPACITY
6th Street / Jenks Avenue	0.70	UNDER CAPACITY

PM LEVEL OF SERVICE (LOS) – UNSIGNALIZED INTERSECTIONS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5th Street / Beach Drive	**E**	**D**	A	A
4th Street / Oak Avenue	C	B	A	A
5th Street / Harrison Avenue	**D**	**D**	A	A
5th Street / Jenks Avenue	**D**	C	A	A

TWO-WAY STOP CONTROL SUMMARY

General Information

Analyst	SAM KADI
Agency/Co.	PBS&J
Date Performed	11/21/2005
Analysis Time Period	PM PEAK

Site Information

Intersection	HARRISON/5TH
Jurisdiction	PANAMA CITY
Analysis Year	2006 WITH PROJECT TRAFFIC

Project Description: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street: 5TH STREET | North/South Street: HARRISON AVENUE

Intersection Orientation: North-South | Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	12	240	10	21	245	58
Peak-Hour Factor, PHF	0.95	0.95	0.95	0.80	0.80	0.80
Hourly Flow Rate, HFR	12	252	10	26	306	72
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	1	1	1	1	1	1
Configuration	L	T	R	L	T	R
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	7	28	24	46	22	22
Peak-Hour Factor, PHF	0.84	0.84	0.84	0.90	0.90	0.90
Hourly Flow Rate, HFR	8	33	28	51	24	24
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)	0			0		
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L	L		TR	L		TR
v (vph)	12	26	8		61	51		48
C (m) (vph)	1192	1314	324		472	327		504
v/c	0.01	0.02	0.02		0.13	0.16		0.10
95% queue length	0.03	0.06	0.08		0.44	0.55		0.31
Control Delay	8.1	7.8	16.4		13.8	18.0		12.9
LOS	A	A	C		B	C		B
Approach Delay	--	--	14.1			15.5		
Approach LOS	--	--	B			C		

>

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	SAM KADI	Intersection	BEACH/5TH
Agency/Co.	PBS&J	Jurisdiction	PANAMA CITY
Date Performed	11/21/2005	Analysis Year	2006 WITH PROJECT TRAFFIC
Analysis Time Period	PM PEAK		

Project Description	PANAMA CITY INFRASTRUCTURE STUDY
East/West Street: 5TH STREET	North/South Street: BEACH DRIVE
Intersection Orientation: North-South	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	0	348	29	61	308	10
Peak-Hour Factor, PHF	0.64	0.64	0.64	0.73	0.73	0.73
Hourly Flow Rate, HFR	0	543	45	83	421	13
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	0	1	0	0	1	0
Configuration	LTR			LTR		
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	15	20	117	11	11	2
Peak-Hour Factor, PHF	0.76	0.76	0.76	0.66	0.66	0.66
Hourly Flow Rate, HFR	19	26	153	16	16	3
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LTR	LTR		LTR			LTR	
v (vph)	0	83		198			35	
C (m) (vph)	1136	997		347			124	
v/c	0.00	0.08		0.57			0.28	
95% queue length	0.00	0.27		3.37			1.08	
Control Delay	8.2	8.9		28.3			45.1	
LOS	A	A		D			E	
Approach Delay	--	--	28.3			45.1		
Approach LOS	--	--	D			E		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	SAM KADI	Intersection	JENKS/5TH
Agency/Co.	PBS&J	Jurisdiction	PANAMA CITY
Date Performed	11/21/2005	Analysis Year	2006 WITH PROJECT TRAFFIC
Analysis Time Period	PM PEAK		

Project Description	PANAMA CITY INFRASTRUCTURE STUDY
East/West Street: 5TH STREET	North/South Street: JENKS AVENUE
Intersection Orientation: North-South	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	34	157	14	75	213	76
Peak-Hour Factor, PHF	0.70	0.70	0.70	0.90	0.90	0.90
Hourly Flow Rate, HFR	48	224	20	83	236	84
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	6	88	52	60	65	11
Peak-Hour Factor, PHF	0.63	0.63	0.63	0.90	0.90	0.90
Hourly Flow Rate, HFR	9	139	82	66	72	12
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L	L		TR	L		TR
v (vph)	48	83	9		221	66		84
C (m) (vph)	1251	1334	221		373	138		323
v/c	0.04	0.06	0.04		0.59	0.48		0.26
95% queue length	0.12	0.20	0.13		3.66	2.21		1.02
Control Delay	8.0	7.9	22.0		27.7	53.0		20.0
LOS	A	A	C		D	F		C
Approach Delay	--	--	27.5			34.5		
Approach LOS	--	--	D			D		

>

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	SAM KADI	Intersection	OAK/4TH
Agency/Co.	PBS&J	Jurisdiction	PANAMA CITY
Date Performed	11/21/2005	Analysis Year	2006 WITH PROJECT TRAFFIC
Analysis Time Period	PM PEAK		

Project Description	PANAMA CITY INFRASTRUCTURE STUDY
East/West Street: 4TH STREET	North/South Street: OAK AVENUE
Intersection Orientation: North-South	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume	3	65	6	79	133	35
Peak-Hour Factor, PHF	0.80	0.80	0.80	0.90	0.90	0.90
Hourly Flow Rate, HFR	3	81	7	87	147	38
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Undivided					
RT Channelized			0			0
Lanes	0	1	0	0	1	0
Configuration	LTR			LTR		
Upstream Signal		0			0	

Minor Street	Westbound			Eastbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume	2	43	81	58	57	8
Peak-Hour Factor, PHF	0.80	0.80	0.80	0.70	0.70	0.70
Hourly Flow Rate, HFR	2	53	101	82	81	11
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	1	1	0	1	1	0
Configuration	L		TR	L		TR

Delay, Queue Length, and Level of Service

Approach	NB	SB	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LTR	LTR	L		TR	L		TR
v (vph)	3	87	2		154	82		92
C (m) (vph)	1402	1520	412		717	373		512
v/c	0.00	0.06	0.00		0.21	0.22		0.18
95% queue length	0.01	0.18	0.01		0.81	0.83		0.65
Control Delay	7.6	7.5	13.8		11.4	17.4		13.6
LOS	A	A	B		B	C		B
Approach Delay	--	--	11.4			15.3		
Approach LOS	--	--	B			C		

>

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: COVE/4TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 11/212005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2006 WITH PROJECT TRIPS
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
4TH STREET	COVE BOULEVARD

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	0	1	1	1	1	1	0
Volume	107	247	13	42	73	13	30	229	42	29	275	26
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	107	42	30	29
2. Opposing mainline volume	86	260	301	271
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	9202	10920	9030	7859
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

ght Lane Configuration (E=Excl, S=Shrd)	S	S	E	S
6. RT volume	13	13	42	26
7. Exclusive lanes	0	0	1	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume			49	
10. Shared lane vol	15	15		31

THROUGH MOVEMENT

11. Thru volume	247	73	229	275
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	262	88	229	306
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	1.51	1.81	1.88	1.83
17. LT adj. factor:				
18. Through lane volume	262	88	229	306
19. Critical lane volume	262	88	229	306

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	262	88	229	306
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the	Plan 1:	U	U	U	U
specified left turn protection	Plan 2a:	U	P	U	P
	Plan 2b:	P	U	P	U
< Indicates the dominant left turn	Plan 3a:	<P	P	<P	P
for each opposing pair	Plan 3b:	P	<P	P	<P
	Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 1

cycle (Cmin) 98 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	262	0	0	306	0	0
Critical sum [CS]	568					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
ost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	98.0					
Phase time	45.5	0.0	0.0	52.5	0.0	0.0
Critical v/c Ratio [Xcm]	0.45					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: COVE/6TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 11/21/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2006 WITH PROJECT TRIPS
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street: 6TH STREET
North/South Street: COVE BOULEVARD

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Volume	120	688	64	49	577	172	56	310	33	296	228	64
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	120	49	56	296
2. Opposing mainline volume	749	752	292	343
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	89880	36848	16352	101528
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	P

4. LT adjustment factor	1.000	1.000	1.000	0.950
5. LT lane vol	0	0	0	312

RIGHT TURN MOVEMENT

ight Lane Configuration (E=Excl, S=Shrd)	S	S	S	S
6. RT volume	64	172	33	64
7. Exclusive lanes	0	0	0	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume				
10. Shared lane vol	75	202	39	75

THROUGH MOVEMENT

11. Thru volume	688	577	310	228
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	2	2	1	1
14. Total approach volume	763	779	349	303
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	2.93	2.94	1.87	
17. LT adj. factor:				
18. Through lane volume	382	390	349	303
19. Critical lane volume	382	390	349	303

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	382	390	349	303
LT lane vol: [5]	0	0	0	312
Left turn protection: (P/U/N)	U	U	U	P
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection	Plan 1:	U	U	U	U
	Plan 2a:	U	P	U	P
	Plan 2b:	P	U	P	U
< Indicates the dominant left turn for each opposing pair	Plan 3a:	<P	P	<P	P
	Plan 3b:	P	<P	P	<P
	Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 2a

. cycle (Cmin) 113 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			STL	NST	
Critical phase vol [CV]	390	0	0	312	349	0
Critical sum [CS]	1051					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
Lost time/phase [PL]	4	0	0	4	4	0
Lost time/cycle [TL]	12					
Cycle length [CYC]	113.0					
Phase time	41.5	0.0	0.0	34.0	37.5	0.0
Critical v/c Ratio [Xcm]	0.85					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: HARRISON/4TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 11/21/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2006 WITH PROJECT TRIPS
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street: 4TH STREET
North/South Street: HARRISON AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	0	1	1	1	1	1	1
Volume	51	163	24	76	120	54	10	111	53	45	213	28
Parking	Y			Y			Y			Y		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	51	76	10	45
2. Opposing mainline volume	174	187	241	164
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	8874	14212	2410	7380
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

ight Lane Configuration (E=Excl, S=Shrd)	S	S	E	E
6. RT volume	24	54	53	28
7. Exclusive lanes	0	0	1	1
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume			62	33
10. Shared lane vol	28	64		

THROUGH MOVEMENT

11. Thru volume	163	120	111	213
12. Parking adjustment factor	0.80	0.80	0.80	0.80
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	239	230	139	266
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	1.65	1.68	1.77	1.64
17. LT adj. factor:				
18. Through lane volume	239	230	139	266
19. Critical lane volume	239	230	139	266

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	239	230	139	266
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection	Plan 1:	U	U	U	U
	Plan 2a:	U	P	U	P
	Plan 2b:	P	U	P	U
< Indicates the dominant left turn for each opposing pair	Plan 3a:	<P	P	<P	P
	Plan 3b:	P	<P	P	<P
	Plan 4:	N	N	N	N

Phase plan selected (1 to 4)	1	1

cycle (Cmin) 118 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	239	0	0	266	0	0
Critical sum [CS]	505					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
Lost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	118.0					
Phase time	56.1	0.0	0.0	61.9	0.0	0.0
Critical v/c Ratio [Xcm]	0.39					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: HARRISON/6TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 11/21/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2006 WITH PROJECT TRIPS
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
6TH STREET	HARRISON AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	1	1	1	1	1	1	1
Volume	85	571	28	68	494	131	21	184	61	156	154	69
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	85	68	21	156
2. Opposing mainline volume	625	599	223	245
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	53125	40732	4683	38220
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

ight Lane Configuration (E=Excl, S=Shrd)	S	E	E	E
o. RT volume	28	131	61	69
7. Exclusive lanes	0	1	1	1
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume		154	72	81
10. Shared lane vol	33			

THROUGH MOVEMENT

11. Thru volume	571	494	184	154
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	604	494	184	154
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	2.60	2.53	1.74	1.78
17. LT adj. factor:				
18. Through lane volume	604	494	184	154
19. Critical lane volume	604	494	184	154

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	604	494	184	154
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection	Plan 1: U	U	U	U
	Plan 2a: U	P	U	P
	Plan 2b: P	U	P	U
< Indicates the dominant left turn for each opposing pair	Plan 3a: <P	P	<P	P
	Plan 3b: P	<P	P	<P
	Plan 4: N	N	N	N

Phase plan selected (1 to 4)	1	1

. cycle (Cmin) 104 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	604	0	0	184	0	0
Critical sum [CS]	788					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
Lost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	104.0					
Phase time	77.6	0.0	0.0	26.4	0.0	0.0
Critical v/c Ratio [Xcm]	0.62					
Status	Under capacity					

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: HARRISON/BEACH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 11/21/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2006 WITH PROJECT TRIPS
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street	North/South Street
BEACH DRIVE	HARRISON AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Volume	30	167	22	48	194	39	13	153	27	58	161	19
Parking	Y			Y			Y			Y		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	30	48	13	58
2. Opposing mainline volume	233	189	180	180
3. Number of exclusive LT lanes	0	0	0	0
Cross Product [2] * [1]	6990	9072	2340	10440
Left Lane Configuration (E=Excl, S=Shrd):	S	S	S	S
Left Turn Treatment Type:	U	U	U	U

4. LT adjustment factor				
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

Right Lane Configuration (E=Excl, S=Shrd)	S	S	S	S
6. RT volume	22	39	27	19
7. Exclusive lanes	0	0	0	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume				
10. Shared lane vol	26	46	32	22

THROUGH MOVEMENT

11. Thru volume	167	194	153	161
12. Parking adjustment factor	0.80	0.80	0.80	0.80
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	241	300	231	229
15. Prop. of left turns in lane group	0.14	0.17	0.07	0.24
16. Left turn equivalence	1.76	1.68	1.66	1.66
17. LT adj. factor:	0.939	0.897	0.980	0.853
18. Through lane volume	257	334	236	268
19. Critical lane volume	257	334	236	268

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	257	334	236	268
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection	Plan 1:	U	U	U	U
	Plan 2a:	U	P	U	P
	Plan 2b:	P	U	P	U
< Indicates the dominant left turn for each opposing pair	Plan 3a:	<P	P	<P	P
	Plan 3b:	P	<P	P	<P
	Plan 4:	N	N	N	N

Phase plan selected (1 to 4)	1	1

cycle (Cmin) 77 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

Movement codes	EWT			NST		
Critical phase vol [CV]	334	0	0	268	0	0
Critical sum [CS]	602					
CBD adjustment [CBD]	0.90					
ference sum [RS]	1385					
Lost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	77.0					
Phase time	42.3	0.0	0.0	34.7	0.0	0.0
Critical v/c Ratio [Xcm]	0.49					
Status	Under capacity					

4. LT adjustment factor	1.000	1.000	1.000	1.000
5. LT lane vol	0	0	0	0

RIGHT TURN MOVEMENT

ight Lane Configuration (E=Excl, S=Shrd)	S	S	S	S
6. RT volume	31	109	51	34
7. Exclusive lanes	0	0	0	0
8. RT adjustment factor	0.850	0.850	0.850	0.850
9. Exclusive RT lane volume				
10. Shared lane vol	36	128	60	40

THROUGH MOVEMENT

11. Thru volume	450	486	225	204
12. Parking adjustment factor	1.00	1.00	1.00	1.00
13. No. of thru lanes including shared	1	1	1	1
14. Total approach volume	486	614	285	244
15. Prop. of left turns in lane group	0.00	0.00	0.00	0.00
16. Left turn equivalence	2.52	2.26	1.77	1.84
17. LT adj. factor:				
18. Through lane volume	486	614	285	244
19. Critical lane volume	486	614	285	244

Left Turn Check (if [16] > 3.5)

20. Permitted left turn sneaker capacity: 7200/Cmax	60	60	60	60

SIGNAL OPERATIONS WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
Phase Plan Selection from Lane Volume Worksheet				
Critical through-RT vol: [19]	486	614	285	244
LT lane vol: [5]	0	0	0	0
Left turn protection: (P/U/N)	U	U	U	U
Dominant left turn: (Indicate by '<')				

Selection Criteria based on the specified left turn protection

< Indicates the dominant left turn for each opposing pair

Plan 1:	U	U	U	U
Plan 2a:	U	P	U	P
Plan 2b:	P	U	P	U
Plan 3a:	<P	P	<P	P
Plan 3b:	P	<P	P	<P
Plan 4:	N	N	N	N

Phase plan selected (1 to 4) 1 1

cycle (Cmin) 102 Max. cycle (Cmax) 120

Timing Plan	EAST-WEST			NORTH-SOUTH		
Value	Ph 1	Ph 2	Ph 3	Ph 1	Ph 2	Ph 3

HCS2000: Signalized Intersections Release 4.1c

Phone: Fax:
E-Mail:

PLANNING ANALYSIS

Analyst: SAM KADI
Intersection: JENKS/6TH
Agency/Co.: PBS&J
Area Type: CBD or Similar
Date Performed: 11/21/2005
Jurisdiction: PANAMA CITY
Analysis Time Period: PM PEAK
Analysis Year: 2006 WITH PROJECT TRIPS
Project ID: PANAMA CITY INFRASTRUCTURE STUDY

East/West Street: 6TH STREET
North/South Street: JENKS AVENUE

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Num. Lanes	1	1	0	1	1	0	1	1	0	1	1	0
Volume	38	450	31	44	486	109	21	225	51	165	204	34
Parking	N			N			N			N		
Coord.	N			N			N			N		
LT Treat.	?			?			?			?		

Peak hour factor: 0.90 Area Type: CBD or Similar

LANE VOLUME WORKSHEET

	EAST BOUND	WEST BOUND	NORTH BOUND	SOUTH BOUND
LEFT TURN MOVEMENT				
1. LT volume	38	44	21	165
2. Opposing mainline volume	595	481	238	276
3. Number of exclusive LT lanes	1	1	1	1
Cross Product [2] * [1]	22610	21164	4998	45540
Left Lane Configuration (E=Excl, S=Shrd):	E	E	E	E
Left Turn Treatment Type:	U	U	U	U

Movement codes	EWT			NST		
Critical phase vol [CV]	614	0	0	285	0	0
Critical sum [CS]	899					
CBD adjustment [CBD]	0.90					
'erence sum [RS]	1385					
Lost time/phase [PL]	4	0	0	4	0	0
Lost time/cycle [TL]	8					
Cycle length [CYC]	102.0					
Phase time	68.2	0.0	0.0	33.8	0.0	0.0
Critical v/c Ratio [Xcm]	0.70					
Status	Under capacity					