Samuel Ceballos, Jr.
Chief of Police
police@pinecrest-fl.gov

MEMORANDUM
Department of Police

DATE: March 8, 2013

TO: Chief Samuel Ceballos, Jr.

FROM: Sergeant Carlos Villanueva

RE: Traffic Survey 100 Street and 57 Court

The results of the Traffic Survey at 100 Street and 57 Avenue revealed the following information:

February 25, 2013 to March 3, 2013

- The Monday thru Friday average on a one-week period was 964 vehicles daily.
- The weekend average on a one-week period was 831 vehicles daily.
- On average, 69% of the vehicles traveled westbound and 31% traveled eastbound on 100 Street.
- The heaviest traffic (peak times) was 9:00AM and 3:30PM.
- The average daily speed on this road was 26MPH, the minimum speed recorded was 5.8MPH, and the maximum speed recorded was 54.4MPH. The 85 percentile was 32MPH.
- The speed limit at this location is 30 MPH.

100St/57Ct:
100St/57Ct:
100St/57Ct:

Site:

Weekly Volume

Interval Begin	Mon 2/25/2013		Tue 2/26/2013		Wed 2/27/2013		Thu 2/28/2013		Fri 3/1/2013		Sat 3/2/2013		Sun 3/3/2013		Mon - Fri Average		Week Average	
	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou
12:00 AM	-	-	1	1	5	2	2	3	7	2	10	7	11	2	3.8	2.0	6.0	2.8
1:00 AM	-	-	2	0	3	0	2	0	0	0	6	1	7	5	1.8	0.0	3.3	1.0
2:00 AM	-	-	0	0	1	1	2	0	1	0	3	0	9	1	1.0	0.3	2.7	0.3
3:00 AM	-	-	0	0	0	0	1	0	1	0	2	0	5	0	0.5	0.0	1.5	0.0
4:00 AM	-	-	0	0	0	0	0	0	0	0	0	0	1	0	0.0	0.0	0.2	0.0
5:00 AM	-	-	0	0	0	0	0	0	1	0	0	0	1	0	0.3	0.0	0.3	0.0
6:00 AM	-	-	2	0	2	0	4	1	2	1	0	1	1	0	2.5	0.5	1.8	0.5
7:00 AM	-	-	1	7	2	13	2	9	1	7	4	4	2	0	1.5	9.0	2.0	6.7
8:00 AM	-	-	46	29	34	22	37	27	35	26	4	8	1	5	38.0	26.0	26.2	19.5
9:00 AM	-	-	119	39	122	30	145	37	119	30	7	12	2	4	126.3	34.0	85.7	25.3
10:00 AM	0	0	30	23	34	21	25	29	19	20	11	12	7	7	25.4	21.9	20.2	17.9
11:00 AM	18	21	17	18	12	14	12	15	14	14	23	18	12	7	14.6	16.4	15.4	15.3
12:00 PM	16	20	18	16	27	10	39	19	15	15	27	15	19	12	23.0	16.0	23.0	15.3
1:00 PM	21	14	16	13	35	26	21	20	31	23	30	15	31	22	24.8	19.2	26.4	19.0
2:00 PM	39	15	39	18	54	21	52	14	52	22	17	13	40	17	47.2	18.0	41.9	17.1
3:00 PM	84	27	89	38	90	22	99	33	83	30	26	18	25	11	89.0	30.0	70.9	25.6
4:00 PM	110	22	112	19	52	22	114	21	112	30	31	15	34	20	100.0	22.8	80.7	21.3
5:00 PM	52	14	43	25	43	27	44	24	39	27	36	12	28	21	44.2	23.4	40.7	21.4
6:00 PM	37	14	45	14	35	12	48	16	26	7	30	16	19	20	38.2	12.6	34.3	14.1
7:00 PM	29	13	31	10	22	11	41	17	21	8	16	10	22	20	28.8	11.8	26.0	12.7
8:00 PM	17	7	20	13	18	12	29	6	37	13	16	13	18	12	24.2	10.2	22.1	10.9
9:00 PM	24	11	16	5	25	8	13	8	13	11	19	10	12	6	18.2	8.6	17.4	8.4
10:00 PM	7	3	10	4	13	6	13	3	14	14	8	7	8	5	11.4	6.0	10.4	6.0
11:00 PM	6	1	13	1	7	3	8	2	12	5	9	6	3	2	9.2	2.4	8.3	2.9
Totals	460	182	670	293	636	283	753	304	655	305	335	213	318	199	673.7	291.0	567.4	264.1
Combined	642		963		919		1057		960		548		517		964.7		831.5	
Split (%)	71.7	28.3	69.6	30.4	69.2	30.8	71.2	28.8	68.2	31.8	61.1	38.9	61.5	38.5	69.8	30.2	68.2	31.8
Peak Hours																		
12:00 AM - 12:00 PM	11:00 AM	11:00 AM	9:00 AM	8:45 AM	9:00 AM	9:15 AM	8:45 AM	9:15 AM	9:00 AM	8:30 AM	11:00 AM	11:00 AM	10:45 AM	10:15 AM	9:00 AM	9:15 AM	9:00 AM	9:15 AM
Volume	18	21	119	45	122	32	145	38	119	32	23	18	15	8	126.3	35.0	85.7	27.0
Factor	0.75	0.75	0.74	0.51	0.69	0.44	0.50	0.73	0.66	0.73	0.58	0.75	0.75	0.50	0.63	0.55	0.63	0.60
12:00 PM - 12:00 AM	3:30 PM	3:00 PM	3:30 PM	3:00 PM	2:45 PM	2:45 PM	3:30 PM	3:00 PM	3:30 PM	3:15 PM	5:15 PM	2:45 PM	2:15 PM	5:30 PM	3:30 PM	3:00 PM	3:30 PM	3:00 PM
Volume	131	27	138	38	114	31	140	33	141	33	40	21	42	26	119.8	30.0	93.9	25.6
Factor	0.63	0.75	0.63	0.68	0.55	0.60	0.74	0.83	0.69	0.69	0.91	0.88	0.88	0.54	0.71	0.82	0.70	0.81

100St/57Ct:
100St/57Ct:
100St/57Ct:

Site:

Weekly Volume

Interval Begin	Mon 3/4/2013		Tue 3/5/2013		Wed 3/6/2013		Thu 3/7/2013		Fri 3/8/2013		Sat 3/9/2013		Sun 3/10/2013		Mon - Fri Average		Week Average	
	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou
12:00 AM	4	1	0	0	0	0	0	0	-	-	-	-	-	-	1.0	0.3	1.0	0.3
1:00 AM	5	1	0	0	0	0	0	0	-	-	-	-	-	-	1.3	0.3	1.3	0.3
2:00 AM	0	0	0	0	0	0	0	0	-	-	-	-	-	-	0.0	0.0	0.0	0.0
3:00 AM	1	0	0	0	0	0	0	0	-	-	-	-	-	-	0.3	0.0	0.3	0.0
4:00 AM	0	1	0	0	0	0	0	0	-	-	-	-	-	-	0.0	0.3	0.0	0.3
5:00 AM	0	0	0	0	0	0	0	0	-	-	-	-	-	-	0.0	0.0	0.0	0.0
6:00 AM	2	0	0	0	0	0	0	0	-	-	-	-	-	-	0.5	0.0	0.5	0.0
7:00 AM	0	9	0	0	0	0	0	0	-	-	-	-	-	-	0.0	2.3	0.0	2.3
8:00 AM	37	27	0	0	0	0	0	0	-	-	-	-	-	-	9.3	6.8	9.3	6.8
9:00 AM	119	37	0	0	0	0	0	0	-	-	-	-	-	-	29.8	9.3	29.8	9.3
10:00 AM	24	22	0	0	0	0	0	0	-	-	-	-	-	-	6.0	5.5	6.0	5.5
11:00 AM	16	15	0	0	0	0	0	0	-	-	-	-	-	-	4.0	3.8	4.0	3.8
12:00 PM	17	14	0	0	0	0	0	0	-	-	-	-	-	-	4.3	3.5	4.3	3.5
1:00 PM	29	16	0	0	0	0	0	0	-	-	-	-	-	-	7.3	4.0	7.3	4.0
2:00 PM	42	25	0	0	0	0	0	0	-	-	-	-	-	-	10.5	6.3	10.5	6.3
3:00 PM	89	20	0	0	0	0	0	0	-	-	-	-	-	-	27.4	6.2	27.4	6.2
4:00 PM	95	22	0	0	0	0	-	-	-	-	-	-	-	-	31.7	7.3	31.7	7.3
5:00 PM	46	6	0	0	0	0	-	-	-	-	-	-	-	-	15.3	2.0	15.3	2.0
6:00 PM	15	12	0	0	0	0	-	-	-	-	-	-	-	-	5.0	4.0	5.0	4.0
7:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
8:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
9:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
10:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
11:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
Totals	541	228	0	0	0	0	0	0	-	-	-	-	-	-	153.4	61.5	153.4	61.5
Combined	769		0		0		0		-		-		-		214.9		214.9	
Split (%)	70.4	29.6	-	-	-	-	-	-	-	-	-	-	-	-	71.4	28.6	71.4	28.6
Peak Hours																		
12:00 AM - 12:00 PM	8:45 AM	9:15 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	-	-	-	-	-	-	8:45 AM	9:15 AM	8:45 AM	9:15 AM
Volume	124	38	0	0	0	0	0	0	-	-	-	-	-	-	31.0	9.5	31.0	9.5
Factor	0.52	0.59	-	-	-	-	-	-	-	-	-	-	-	-	0.52	0.59	0.52	0.59
12:00 PM - 12:00 AM	3:30 PM	3:30 PM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	-	-	-	-	-	-	3:30 PM	3:30 PM	3:30 PM	3:30 PM
Volume	124	27	0	0	0	0	0	0	-	-	-	-	-	-	41.3	9.0	41.3	9.0
Factor	0.66	0.75	-	-	-	-	-	-	-	-	-	-	-	-	0.66	0.75	0.66	0.75

100St/57Ct:
100St/57Ct:
100St/57Ct:

Site:
Monday, 2/25/2013, 10:59:36 AM -
Thursday, 3/7/2013, 3:13:04 PM

Speed Grand Totals
A Tube

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	4.8	0.0	0.4	1.3	1.0	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	2.5	0.0	0.2	0.4	0.6	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	1.5	0.0	0.1	0.2	0.2	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	0.8	0.0	0.1	0.0	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	0.5	0.0	0.0	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	5.5	0.2	0.8	1.9	1.7	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	24.9	1.2	2.3	5.7	8.2	5.0	2.0	0.4	0.0	0.1	0.0	0.0	0.0	0.0
9:00 AM	43.9	1.4	3.9	12.3	17.2	6.8	2.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0
10:00 AM	20.7	2.6	2.4	4.8	6.6	3.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	18.7	1.5	3.7	5.0	4.3	3.5	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	21.2	1.5	3.5	5.5	6.7	3.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	23.8	0.6	3.8	6.4	7.1	4.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	31.3	1.5	3.9	8.3	9.0	6.5	1.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0
3:00 PM	44.5	1.6	5.0	8.9	15.6	11.3	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	51.9	1.9	6.2	12.7	18.1	10.5	1.9	0.4	0.2	0.0	0.0	0.0	0.0	0.0
5:00 PM	37.7	2.0	5.3	8.7	12.8	7.6	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	29.7	1.0	3.7	8.8	8.8	5.4	1.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0
7:00 PM	21.2	1.0	2.3	4.3	7.0	4.2	2.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	19.2	0.3	2.5	5.1	6.3	4.1	0.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0
9:00 PM	16.1	0.1	1.9	4.3	5.2	3.5	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	10.9	0.0	0.7	3.0	4.2	2.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
11:00 PM	7.0	0.3	0.2	1.6	2.9	1.7	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
ADT	438.8	18.9	52.9	109.6	143.9	88.2	20.7	3.8	0.7	0.2	0.0	0.0	0.0	0.0

Percentile Speeds	50%	85%	90%
(mph)	26.3	32.0	33.3

10 mph Pace Speed	21.8 - 31.8	**Average**	26.0 mph
Number in Pace	2764 (60.8 %)	**Minimum**	5.8 mph
		Maximum	54.4 mph

Speeds Exceeded	30 mph	40 mph	50 mph
	25.9 %	1.1 %	0.0 %
Count	1176	48	2

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
A Tube	4548	198	551	1135	1488	915	213	39	7	2	0	0	0	0
		4.4%	12.1%	25.0%	32.7%	20.1%	4.7%	0.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%