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

MEMORANDUM
Department of Police

FILE

DATE: March 23, 2013

TO: Chief Samuel Ceballos, Jr.

FROM: Sergeant Carlos Villanueva

RE: Traffic Survey 100 Street and 59 Court

The results of the Traffic Survey at 100 Street and 59 Court revealed the following information:

March 12, 2013 to March 19, 2013

- The Monday thru Friday average on a one-week period was 791vehicles daily.
- The weekend average on a one-week period was 644 vehicles daily.
- On average, 72% of the vehicles traveled westbound and 28% traveled eastbound on 100 Street.
- The heaviest traffic (peak times) was 9:00AM and 3:30PM.
- The average daily speed on this road was 28.4MPH, the minimum speed recorded was 2.9MPH, and the maximum speed recorded was 58.1MPH. The 85 percentile was 34.5MPH.
- The speed limit at this location is 30 MPH.

100St/59Ct:
100/59Ct:
Description 3:

Site:

Weekly Volume

Interval Begin	Mon 3/11/2013		Tue 3/12/2013		Wed 3/13/2013		Thu 3/14/2013		Fri 3/15/2013		Sat 3/16/2013		Sun 3/17/2013		Mon - Fri Average		Week Average	
	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou
12:00 AM	-	-	-	-	0	0	1	0	1	3	3	3	5	7	0.7	1.0	2.0	2.6
1:00 AM	-	-	-	-	0	1	1	1	0	1	0	2	5	3	0.3	1.0	1.2	1.6
2:00 AM	-	-	-	-	1	0	0	1	0	4	0	3	2	2	0.3	1.7	0.6	2.0
3:00 AM	-	-	-	-	0	0	0	0	0	2	0	1	1	0	0.0	0.7	0.2	0.6
4:00 AM	-	-	-	-	0	0	0	2	0	0	0	1	0	0	0.0	0.7	0.0	0.6
5:00 AM	-	-	-	-	0	0	0	1	0	0	0	0	0	2	0.0	0.3	0.0	0.6
6:00 AM	-	-	-	-	2	4	4	4	3	5	1	1	0	1	3.0	4.3	2.0	3.0
7:00 AM	-	-	-	-	10	35	13	38	8	27	3	2	0	2	10.3	33.3	6.8	20.8
8:00 AM	-	-	-	-	31	92	32	105	24	91	11	12	5	8	29.0	96.0	20.6	61.6
9:00 AM	-	-	-	-	11	24	26	17	13	20	9	24	3	11	16.7	20.3	12.4	19.2
10:00 AM	-	-	-	-	5	15	9	18	9	22	16	14	8	11	7.7	18.3	9.4	16.0
11:00 AM	-	-	-	-	9	18	11	11	12	19	8	25	9	20	10.7	16.0	9.8	18.6
12:00 PM	-	-	-	-	16	20	13	19	14	20	8	22	14	15	14.3	19.7	13.0	19.2
1:00 PM	-	-	7	43	23	50	13	34	15	33	10	19	10	25	14.5	40.0	13.0	34.0
2:00 PM	-	-	17	88	23	112	26	89	15	84	6	9	7	14	20.3	93.3	15.7	66.0
3:00 PM	-	-	15	106	16	44	24	95	27	84	13	16	8	9	20.5	82.3	17.2	59.0
4:00 PM	-	-	21	39	12	33	16	43	14	22	12	23	8	11	15.8	34.3	13.8	28.5
5:00 PM	-	-	10	33	15	32	13	35	12	42	10	24	8	16	12.5	35.5	11.3	30.3
6:00 PM	-	-	16	26	10	26	15	26	9	16	10	20	7	16	12.5	23.5	11.2	21.7
7:00 PM	-	-	8	13	9	30	9	24	8	15	15	23	9	16	8.5	20.5	9.7	20.2
8:00 PM	-	-	8	16	7	14	15	8	7	12	9	10	6	9	9.3	12.5	8.7	11.5
9:00 PM	-	-	8	12	10	8	3	8	8	0	4	5	2	6	7.3	7.0	5.8	6.5
10:00 PM	-	-	1	7	2	10	2	7	5	5	4	6	3	3	2.5	7.3	2.8	6.3
11:00 PM	-	-	1	4	1	3	1	3	5	5	2	6	2	7	2.0	3.8	2.0	4.7
Totals	-	-	112	387	213	571	247	589	209	532	154	271	122	214	218.5	573.1	189.2	455.1
Combined	-		499		784		836		741		425		336		791.6		644.2	
Split (%)	-	-	22.4	77.6	27.2	72.8	29.5	70.5	28.2	71.8	36.2	63.8	36.3	63.7	27.6	72.4	29.4	70.6
Peak Hours																		
12:00 AM - 12:00 PM	-	-	-	-	7:45 AM	7:45 AM	8:15 AM	8:00 AM	8:15 AM	7:45 AM	10:00 AM	10:30 AM	10:30 AM	11:00 AM	8:15 AM	8:00 AM	8:15 AM	8:00 AM
Volume	-	-	-	-	31	93	40	105	31	93	16	25	12	20	34.0	96.0	23.8	61.6
Factor	-	-	-	-	0.65	0.73	0.83	0.57	0.86	0.57	0.57	0.57	0.75	0.63	0.82	0.61	0.83	0.62
12:00 PM - 12:00 AM	-	-	3:30 PM	2:30 PM	1:00 PM	2:00 PM	2:15 PM	2:30 PM	2:45 PM	2:30 PM	6:30 PM	4:45 PM	12:00 PM	1:00 PM	2:30 PM	2:30 PM	2:30 PM	2:30 PM
Volume	-	-	21	135	23	112	31	113	27	96	18	26	14	25	23.3	101.0	17.5	71.3
Factor	-	-	0.75	0.66	0.72	0.47	0.86	0.81	0.75	0.75	0.56	0.81	0.50	0.78	0.89	0.80	0.82	0.80

100St/59Ct:
100/59Ct:
Description 3:

Site:

Weekly Volume

Interval Begin	Mon 3/18/2013		Tue 3/19/2013		Wed 3/20/2013		Thu 3/21/2013		Fri 3/22/2013		Sat 3/23/2013		Sun 3/24/2013		Mon - Fri Average		Week Average	
	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou	Eastbou	Westbou
12:00 AM	1	5	0	3	-	-	-	-	-	-	-	-	-	-	0.5	4.0	0.5	4.0
1:00 AM	0	0	0	1	-	-	-	-	-	-	-	-	-	-	0.0	0.5	0.0	0.5
2:00 AM	1	0	0	0	-	-	-	-	-	-	-	-	-	-	0.5	0.0	0.5	0.0
3:00 AM	0	0	0	0	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
4:00 AM	0	0	0	0	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
5:00 AM	0	1	0	1	-	-	-	-	-	-	-	-	-	-	0.0	1.0	0.0	1.0
6:00 AM	1	2	2	5	-	-	-	-	-	-	-	-	-	-	1.5	3.5	1.5	3.5
7:00 AM	12	37	9	28	-	-	-	-	-	-	-	-	-	-	10.5	32.5	10.5	32.5
8:00 AM	33	84	31	135	-	-	-	-	-	-	-	-	-	-	32.0	109.5	32.0	109.5
9:00 AM	17	14	26	31	-	-	-	-	-	-	-	-	-	-	21.5	22.5	21.5	22.5
10:00 AM	11	24	8	14	-	-	-	-	-	-	-	-	-	-	9.5	19.0	9.5	19.0
11:00 AM	15	16	9	22	-	-	-	-	-	-	-	-	-	-	12.0	19.0	12.0	19.0
12:00 PM	6	13	8	22	-	-	-	-	-	-	-	-	-	-	7.0	17.5	7.0	17.5
1:00 PM	10	40	1	5	-	-	-	-	-	-	-	-	-	-	7.3	30.0	7.3	30.0
2:00 PM	21	72	-	-	-	-	-	-	-	-	-	-	-	-	21.0	72.0	21.0	72.0
3:00 PM	21	77	-	-	-	-	-	-	-	-	-	-	-	-	21.0	77.0	21.0	77.0
4:00 PM	19	46	-	-	-	-	-	-	-	-	-	-	-	-	19.0	46.0	19.0	46.0
5:00 PM	12	22	-	-	-	-	-	-	-	-	-	-	-	-	12.0	22.0	12.0	22.0
6:00 PM	6	17	-	-	-	-	-	-	-	-	-	-	-	-	6.0	17.0	6.0	17.0
7:00 PM	10	18	-	-	-	-	-	-	-	-	-	-	-	-	10.0	18.0	10.0	18.0
8:00 PM	5	8	-	-	-	-	-	-	-	-	-	-	-	-	5.0	8.0	5.0	8.0
9:00 PM	2	8	-	-	-	-	-	-	-	-	-	-	-	-	2.0	8.0	2.0	8.0
10:00 PM	3	5	-	-	-	-	-	-	-	-	-	-	-	-	3.0	5.0	3.0	5.0
11:00 PM	6	0	-	-	-	-	-	-	-	-	-	-	-	-	6.0	0.0	6.0	0.0
Totals	212	509	94	267	-	-	-	-	-	-	-	-	-	-	207.3	532.0	207.3	532.0
Combined	721		361		-		-		-		-		-		739.3		739.3	
Split (%)	29.4	70.6	26.0	74.0	-	-	-	-	-	-	-	-	-	-	28.0	72.0	28.0	72.0
Peak Hours																		
12:00 AM - 12:00 PM	8:00 AM	7:45 AM	8:15 AM	8:00 AM	-	-	-	-	-	-	-	-	-	-	8:15 AM	8:00 AM	8:15 AM	8:00 AM
Volume	33	88	36	135	-	-	-	-	-	-	-	-	-	-	34.0	109.5	34.0	109.5
Factor	0.59	0.71	0.60	0.66	-	-	-	-	-	-	-	-	-	-	0.59	0.67	0.59	0.67
12:00 PM - 12:00 AM	2:30 PM	2:30 PM	12:00 PM	12:00 PM	-	-	-	-	-	-	-	-	-	-	2:30 PM	2:30 PM	2:30 PM	2:30 PM
Volume	30	94	8	22	-	-	-	-	-	-	-	-	-	-	30.0	94.0	30.0	94.0
Factor	0.75	0.81	0.50	0.92	-	-	-	-	-	-	-	-	-	-	0.75	0.81	0.75	0.81

100St/59Ct:
100/59Ct:
Description 3:

Site:
Tuesday, 3/12/2013, 1:13:05 PM -
Tuesday, 3/19/2013, 1:15:15 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	4.0	0.1	0.3	0.7	0.7	1.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	1.7	0.0	0.1	0.4	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	1.4	0.0	0.1	0.3	0.1	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	0.6	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	0.4	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	0.4	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	5.0	0.1	0.7	2.6	1.1	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	28.1	0.4	2.1	3.9	9.9	8.9	2.9	0.0	0.0	0.1	0.0	0.0	0.0	0.0
8:00 AM	68.1	1.3	2.9	10.0	25.7	21.6	5.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	29.7	1.7	2.7	6.7	8.0	7.7	2.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
10:00 AM	22.0	0.4	1.4	4.9	7.1	5.0	2.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	23.6	1.3	2.1	4.3	7.4	6.0	1.9	0.4	0.1	0.0	0.0	0.0	0.0	0.0
12:00 PM	26.0	0.6	1.4	5.0	9.1	7.0	2.4	0.3	0.0	0.0	0.1	0.0	0.0	0.0
1:00 PM	33.8	2.0	1.5	4.6	8.9	11.0	4.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0
2:00 PM	56.7	1.4	1.4	7.1	18.1	18.4	7.3	2.3	0.4	0.0	0.1	0.0	0.0	0.0
3:00 PM	55.6	2.0	2.6	7.3	17.9	16.9	7.3	1.6	0.1	0.0	0.0	0.0	0.0	0.0
4:00 PM	36.9	3.1	1.9	6.0	9.6	10.3	4.9	1.0	0.1	0.0	0.0	0.0	0.0	0.0
5:00 PM	35.0	1.4	3.1	7.4	8.6	10.1	3.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	27.0	0.9	0.7	6.3	7.1	7.7	3.6	0.4	0.1	0.1	0.0	0.0	0.0	0.0
7:00 PM	26.4	1.1	1.9	5.1	8.7	5.7	3.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	17.1	0.4	1.3	3.9	6.4	3.3	1.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	10.4	0.1	0.3	1.9	3.1	3.6	0.9	0.1	0.4	0.0	0.0	0.0	0.0	0.0
10:00 PM	8.1	0.4	0.3	1.4	2.9	1.9	0.6	0.6	0.1	0.0	0.0	0.0	0.0	0.0
11:00 PM	6.0	0.0	0.0	1.1	2.3	2.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
ADT	524.2	19.0	28.9	91.5	164.0	149.7	55.8	12.4	2.2	0.3	0.3	0.0	0.0	0.0

Percentile Speeds (mph)	75%	85%	90%
	32.6	34.5	36.1

10 mph Pace Speed 24.2 - 34.2
Number in Pace 2271 (61.3 %)

Average 28.4 mph
Minimum 2.9 mph
Maximum 58.1 mph

Speeds Exceeded	30 mph	40 mph	50 mph
	42.2 %	2.9 %	0.1 %
Count	1562	108	4

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	3703	135	204	645	1157	1059	395	88	16	2	2	0	0	0
		3.6%	5.5%	17.4%	31.2%	28.6%	10.7%	2.4%	0.4%	0.1%	0.1%	0.0%	0.0%	0.0%