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 58 Avenue

The results of the Traffic Survey at 100 Street and 58 Avenue revealed the following information:

March 12, 2013 to March 19, 2013

- The Monday thru Friday average on a one-week period was 928 vehicles daily.
- The weekend average on a one-week period was 787 vehicles daily.
- On average, 67% of the vehicles traveled westbound and 33% traveled eastbound on 100 Street.
- The heaviest traffic (peak times) was 8:45AM and 3:30PM.
- The average daily speed on this road was 26.4MPH, the minimum speed recorded was 1.4MPH, and the maximum speed recorded was 59.8MPH. The 85 percentile was 33.1MPH.
- The speed limit at this location is 30 MPH.

100st/58ave:
100st/58ave:
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	-	-	-	-	1	1	2	3	0	4	3	6	8	7	1.0	2.7	2.8	4.2
1:00 AM	-	-	-	-	0	0	1	1	0	2	2	4	12	8	0.3	1.0	3.0	3.0
2:00 AM	-	-	-	-	0	0	0	1	2	3	3	3	8	2	0.7	1.3	2.6	1.8
3:00 AM	-	-	-	-	0	0	0	0	0	1	0	4	0	0	0.0	0.3	0.0	1.0
4:00 AM	-	-	-	-	0	0	1	1	0	0	1	0	1	1	0.3	0.3	0.6	0.4
5:00 AM	-	-	-	-	1	1	1	2	0	0	1	0	0	1	0.7	1.0	0.6	0.8
6:00 AM	-	-	-	-	9	0	14	1	9	4	1	3	2	1	10.7	1.7	7.0	1.8
7:00 AM	-	-	-	-	27	34	23	41	13	29	11	2	2	1	21.0	34.7	15.2	21.4
8:00 AM	-	-	-	-	44	94	42	97	38	92	18	14	6	7	41.3	94.3	29.6	60.8
9:00 AM	-	-	-	-	16	22	31	14	20	21	18	24	7	9	22.3	19.0	18.4	18.0
10:00 AM	-	-	-	-	8	17	14	19	18	15	25	20	17	14	13.3	17.0	16.4	17.0
11:00 AM	-	-	-	-	17	15	20	21	16	16	21	23	15	20	17.7	17.3	17.8	19.0
12:00 PM	-	-	-	-	22	31	11	22	17	25	12	26	17	24	16.7	26.0	15.8	25.6
1:00 PM	-	-	10	37	26	51	19	38	24	42	21	25	15	27	21.1	44.8	20.0	38.3
2:00 PM	-	-	27	88	35	122	29	94	28	95	12	15	10	20	29.8	99.8	23.5	72.3
3:00 PM	-	-	13	115	25	55	31	101	30	85	17	17	26	11	24.8	89.0	23.7	64.0
4:00 PM	-	-	24	44	19	33	21	38	22	29	17	23	8	17	21.5	36.0	18.5	30.7
5:00 PM	-	-	17	39	22	45	13	35	8	41	15	30	18	22	15.0	40.0	15.5	35.3
6:00 PM	-	-	20	33	21	33	16	32	13	27	16	22	14	10	17.5	31.3	16.7	26.2
7:00 PM	-	-	7	16	12	33	13	31	10	20	11	24	9	16	10.5	25.0	10.3	23.3
8:00 PM	-	-	6	14	4	14	6	11	13	13	13	17	7	20	7.3	13.0	8.2	14.8
9:00 PM	-	-	3	13	8	12	5	10	5	5	4	17	5	10	5.3	10.0	5.0	11.2
10:00 PM	-	-	3	9	4	11	3	14	6	9	6	11	7	4	4.0	10.8	4.8	9.7
11:00 PM	-	-	1	6	3	4	3	6	8	7	7	10	3	9	3.8	5.8	4.2	7.0
Totals	-	-	131	414	324	628	319	633	300	585	255	340	217	261	306.3	622.0	280.1	507.6
Combined	-		545		952		952		885		595		478		928.3		787.7	
Split (%)	-	-	24.0	76.0	34.0	66.0	33.5	66.5	33.9	66.1	42.9	57.1	45.4	54.6	33.0	67.0	35.6	64.4
Peak Hours																		
12:00 AM - 12:00 PM	-	-	-	-	7:45 AM	8:00 AM	8:15 AM	7:45 AM	8:15 AM	7:45 AM	10:45 AM	10:30 AM	10:15 AM	10:30 AM	8:15 AM	7:45 AM	8:15 AM	8:00 AM
Volume	-	-	-	-	44	94	50	97	39	94	28	29	18	22	44.3	94.3	31.0	60.8
Factor	-	-	-	-	0.65	0.71	0.74	0.54	0.70	0.60	0.58	0.81	0.64	0.61	0.69	0.60	0.76	0.62
12:00 PM - 12:00 AM	-	-	2:00 PM	2:30 PM	2:30 PM	2:00 PM	2:15 PM	2:30 PM	2:30 PM	2:30 PM	1:00 PM	4:45 PM	3:00 PM	12:15 PM	2:15 PM	2:30 PM	2:30 PM	2:30 PM
Volume	-	-	27	143	37	122	40	123	37	106	21	31	26	27	32.8	110.0	26.5	77.7
Factor	-	-	0.75	0.63	0.84	0.46	0.77	0.83	0.77	0.80	0.53	0.70	0.65	0.75	0.89	0.84	0.90	0.84

100st/58ave:
100st/58ave:
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	0	6	1	6	-	-	-	-	-	-	-	-	-	-	0.5	6.0	0.5	6.0
1:00 AM	0	0	0	0	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
2:00 AM	0	0	0	0	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
3:00 AM	0	0	0	0	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
4:00 AM	0	0	3	1	-	-	-	-	-	-	-	-	-	-	1.5	0.5	1.5	0.5
5:00 AM	3	2	0	1	-	-	-	-	-	-	-	-	-	-	1.5	1.5	1.5	1.5
6:00 AM	11	0	8	1	-	-	-	-	-	-	-	-	-	-	9.5	0.5	9.5	0.5
7:00 AM	23	35	28	31	-	-	-	-	-	-	-	-	-	-	25.5	33.0	25.5	33.0
8:00 AM	36	81	41	136	-	-	-	-	-	-	-	-	-	-	38.5	108.5	38.5	108.5
9:00 AM	22	15	28	38	-	-	-	-	-	-	-	-	-	-	25.0	26.5	25.0	26.5
10:00 AM	21	26	14	14	-	-	-	-	-	-	-	-	-	-	17.5	20.0	17.5	20.0
11:00 AM	30	22	17	18	-	-	-	-	-	-	-	-	-	-	23.5	20.0	23.5	20.0
12:00 PM	10	15	18	28	-	-	-	-	-	-	-	-	-	-	14.0	21.5	14.0	21.5
1:00 PM	18	45	16	37	-	-	-	-	-	-	-	-	-	-	17.0	41.0	17.0	41.0
2:00 PM	30	76	20	89	-	-	-	-	-	-	-	-	-	-	25.0	82.5	25.0	82.5
3:00 PM	30	89	33	126	-	-	-	-	-	-	-	-	-	-	31.5	107.5	31.5	107.5
4:00 PM	19	51	26	35	-	-	-	-	-	-	-	-	-	-	22.5	43.0	22.5	43.0
5:00 PM	8	23	22	49	-	-	-	-	-	-	-	-	-	-	15.0	36.0	15.0	36.0
6:00 PM	9	22	9	9	-	-	-	-	-	-	-	-	-	-	12.0	20.7	12.0	20.7
7:00 PM	10	28	-	-	-	-	-	-	-	-	-	-	-	-	10.0	28.0	10.0	28.0
8:00 PM	8	11	-	-	-	-	-	-	-	-	-	-	-	-	8.0	11.0	8.0	11.0
9:00 PM	2	7	-	-	-	-	-	-	-	-	-	-	-	-	2.0	7.0	2.0	7.0
10:00 PM	4	7	-	-	-	-	-	-	-	-	-	-	-	-	4.0	7.0	4.0	7.0
11:00 PM	8	2	-	-	-	-	-	-	-	-	-	-	-	-	8.0	2.0	8.0	2.0
Totals	302	563	284	619	-	-	-	-	-	-	-	-	-	-	312.0	623.7	312.0	623.7
Combined	865		903		-		-		-		-		-		935.7		935.7	
Split (%)	34.9	65.1	31.5	68.5	-	-	-	-	-	-	-	-	-	-	33.3	66.7	33.3	66.7
Peak Hours																		
12:00 AM - 12:00 PM	7:45 AM	7:45 AM	8:15 AM	8:00 AM	-	-	-	-	-	-	-	-	-	-	7:45 AM	8:00 AM	7:45 AM	8:00 AM
Volume	37	86	43	136	-	-	-	-	-	-	-	-	-	-	39.5	108.5	39.5	108.5
Factor	0.62	0.63	0.57	0.65	-	-	-	-	-	-	-	-	-	-	0.58	0.63	0.58	0.63
12:00 PM - 12:00 AM	2:30 PM	2:30 PM	3:00 PM	2:30 PM	-	-	-	-	-	-	-	-	-	-	2:45 PM	2:30 PM	2:45 PM	2:30 PM
Volume	40	106	33	144	-	-	-	-	-	-	-	-	-	-	34.0	125.0	34.0	125.0
Factor	0.71	0.80	0.69	0.62	-	-	-	-	-	-	-	-	-	-	0.77	0.69	0.77	0.69

100st/58ave:
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Description 3:

Site:
Tuesday, 3/12/2013, 1:29:37 PM -
Tuesday, 3/19/2013, 6:23:10 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	6.1	0.9	1.0	0.4	1.3	2.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	3.0	0.3	0.3	0.3	0.7	1.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	2.0	0.3	0.3	0.1	0.4	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	0.7	0.0	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	0.7	0.0	0.1	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	1.7	0.1	0.6	0.3	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	5.1	0.4	1.1	1.4	1.1	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	27.6	1.9	3.7	3.9	10.1	6.1	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	60.9	1.9	5.7	13.3	20.4	15.6	3.4	0.4	0.0	0.1	0.0	0.0	0.0	0.0
9:00 AM	27.7	2.7	4.4	6.4	7.4	5.3	1.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0
10:00 AM	25.4	3.1	2.7	5.6	8.3	4.0	1.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	29.9	3.1	3.3	7.1	9.9	5.0	0.7	0.6	0.0	0.0	0.1	0.0	0.0	0.0
12:00 PM	27.9	1.1	4.4	6.7	7.9	5.0	2.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0
1:00 PM	40.4	3.0	3.9	8.3	12.1	8.8	3.8	0.1	0.3	0.1	0.1	0.0	0.0	0.0
2:00 PM	63.6	3.0	5.3	13.8	20.8	14.6	4.8	1.1	0.4	0.0	0.0	0.0	0.0	0.0
3:00 PM	60.9	2.4	4.6	14.4	20.9	14.0	4.3	0.1	0.1	0.0	0.1	0.0	0.0	0.0
4:00 PM	39.9	2.3	5.0	9.5	11.6	7.9	3.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0
5:00 PM	38.6	2.8	5.8	9.3	11.1	7.3	2.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0
6:00 PM	29.3	2.4	3.4	3.8	9.3	6.5	2.9	0.8	0.1	0.1	0.1	0.0	0.0	0.0
7:00 PM	28.1	2.3	3.3	4.9	6.9	7.9	2.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0
8:00 PM	19.0	1.6	1.1	4.9	5.1	3.0	2.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	12.3	1.1	0.9	2.6	3.4	3.6	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0
10:00 PM	11.6	1.3	0.7	3.0	2.4	2.3	1.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0
11:00 PM	8.6	0.3	0.1	1.7	2.4	2.7	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
ADT	570.9	38.2	61.9	121.7	174.5	124.3	40.9	6.4	1.7	0.5	0.8	0.0	0.0	0.0

Percentile Speeds	50%	85%	90%
(mph)	27.0	33.1	34.6

10 mph Pace Speed	22.2 - 32.2	**Average**	26.4 mph
Number in Pace	2415 (56.6 %)	**Minimum**	1.4 mph
		Maximum	59.8 mph

Speeds Exceeded	30 mph	40 mph	50 mph
	30.6 %	1.6 %	0.2 %
Count	1307	70	10

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	4269	283	461	911	1307	929	308	47	13	4	6	0	0	0
		6.6%	10.8%	21.3%	30.6%	21.8%	7.2%	1.1%	0.3%	0.1%	0.1%	0.0%	0.0%	0.0%