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

MEMORANDUM
Department of Police

DATE: May 17, 2014

TO: Chief Samuel Ceballos, Jr.

FROM: Sergeant Heather Setter 1384

RE: Traffic Survey conducted on the 11800-blk of SW 81st Rd

The results of the traffic survey conducted on the 11800-blk of SW 81st Rd were as follows:

May 10, 2014-May 16, 2014

- The Monday thru Friday average on a one-week period was 2444 vehicles daily.
- The week average on a one-week period was 2153 vehicles daily.
- The weekend average was 1426 vehicles daily
- On average, 58.6% of the vehicles traveled southbound and 41.4% traveled northbound on SW 81st Rd during the weekdays. On the weekends, 72.7% traveled southbound and 27.3% northbound.
- The heaviest traffic (peak times) were 6:00am and 4:00pm on weekdays and 11:00am and 12:00pm on weekends.
- The average daily speed on this road was 30.2mph, the minimum speed recorded was 5.7mph, and the maximum speed recorded was 59.4mph. The 85 percentile was 36mph.
- The speed limit at this location is 30mph.

81/118:
81/118:
81/118:

Box A

Site: 81/118

Weekly Volume

Interval Begin	Mon 5/5/2014		Tue 5/6/2014		Wed 5/7/2014		Thu 5/8/2014		Fri 5/9/2014		Sat 5/10/2014		Sun 5/11/2014		Mon - Fri Average		Week Average	
	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou
12:00 AM	-	-	-	-	-	-	-	-	-	-	1	9	3	4	-	-	2.0	6.5
1:00 AM	-	-	-	-	-	-	-	-	-	-	1	2	0	2	-	-	0.5	2.0
2:00 AM	-	-	-	-	-	-	-	-	-	-	1	2	0	0	-	-	0.5	1.0
3:00 AM	-	-	-	-	-	-	-	-	-	-	0	0	0	0	-	-	0.0	0.0
4:00 AM	-	-	-	-	-	-	-	-	-	-	0	2	1	2	-	-	0.5	2.0
5:00 AM	-	-	-	-	-	-	-	-	-	-	0	4	1	5	-	-	0.5	4.5
6:00 AM	-	-	-	-	-	-	-	-	-	-	12	16	4	9	-	-	8.0	12.5
7:00 AM	-	-	-	-	-	-	-	-	-	-	15	27	12	34	-	-	13.5	30.5
8:00 AM	-	-	-	-	-	-	-	-	-	-	27	44	15	41	-	-	21.0	42.5
9:00 AM	-	-	-	-	-	-	-	-	-	-	35	78	15	50	-	-	25.0	64.0
10:00 AM	-	-	-	-	-	-	-	-	-	-	49	95	24	62	-	-	36.5	78.5
11:00 AM	-	-	-	-	-	-	-	-	-	-	61	119	22	63	-	-	41.5	91.0
12:00 PM	-	-	-	-	-	-	-	-	-	-	48	120	23	70	-	-	35.5	95.0
1:00 PM	-	-	-	-	-	-	-	-	-	-	36	134	18	46	-	-	27.0	90.0
2:00 PM	-	-	-	-	-	-	-	-	-	-	53	119	25	58	-	-	39.0	88.5
3:00 PM	-	-	-	-	-	-	-	-	-	-	36	112	20	56	-	-	28.0	84.0
4:00 PM	-	-	-	-	-	-	-	-	-	-	29	110	20	66	-	-	24.5	88.0
5:00 PM	-	-	-	-	-	-	-	-	-	-	36	92	12	53	-	-	24.0	72.5
6:00 PM	-	-	-	-	-	-	-	-	-	-	31	73	12	34	-	-	21.5	53.5
7:00 PM	-	-	-	-	-	-	-	-	-	-	16	52	19	54	-	-	17.5	53.0
8:00 PM	-	-	-	-	-	-	-	-	-	-	9	40	10	29	-	-	9.5	34.5
9:00 PM	-	-	-	-	-	-	-	-	-	-	11	33	1	8	-	-	6.0	20.5
10:00 PM	-	-	-	-	-	-	-	-	-	-	5	21	4	8	-	-	4.5	14.5
11:00 PM	-	-	-	-	-	-	-	-	-	-	3	9	2	6	-	-	2.5	7.5
Totals	-	-	-	-	-	-	-	-	-	-	515	1313	263	760	-	-	389.0	1036.5
Combined	-		-		-		-		-		1828		1023		-		1425.5	
Split (%)	-	-	-	-	-	-	-	-	-	-	28.2	71.8	25.7	74.3	-	-	27.3	72.7
Peak Hours																		
12:00 AM - 12:00 PM	-	-	-	-	-	-	-	-	-	-	11:00 AM	10:45 AM	10:30 AM	11:00 AM	-	-	10:30 AM	11:00 AM
Volume	-	-	-	-	-	-	-	-	-	-	61	122	29	63	-	-	43.5	91.0
Factor	-	-	-	-	-	-	-	-	-	-	0.59	0.85	0.56	0.75	-	-	0.56	0.91
12:00 PM - 12:00 AM	-	-	-	-	-	-	-	-	-	-	2:00 PM	12:45 PM	2:30 PM	12:00 PM	-	-	2:00 PM	12:00 PM
Volume	-	-	-	-	-	-	-	-	-	-	53	138	27	70	-	-	39.0	95.0
Factor	-	-	-	-	-	-	-	-	-	-	0.78	0.80	0.84	0.88	-	-	0.81	0.86

81/118:
81/118:
81/118:

Site: 81/118

Weekly Volume

Interval Begin	Mon 5/12/2014		Tue 5/13/2014		Wed 5/14/2014		Thu 5/15/2014		Fri 5/16/2014		Sat 5/17/2014		Sun 5/18/2014		Mon - Fri Average		Week Average	
	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou	northbou	southbou
12:00 AM	1	4	0	5	0	4	1	3	0	3	-	-	-	-	0.4	3.8	0.4	3.8
1:00 AM	0	0	0	0	1	1	2	0	0	1	-	-	-	-	0.6	0.4	0.6	0.4
2:00 AM	0	0	0	1	0	2	0	0	1	1	-	-	-	-	0.2	0.8	0.2	0.8
3:00 AM	2	0	1	1	0	0	0	0	0	1	-	-	-	-	0.6	0.4	0.6	0.4
4:00 AM	0	2	1	2	0	1	0	1	1	2	-	-	-	-	0.4	1.6	0.4	1.6
5:00 AM	50	8	44	7	60	10	55	8	85	13	-	-	-	-	58.8	9.2	58.8	9.2
6:00 AM	278	30	283	37	294	26	268	20	371	35	-	-	-	-	298.8	29.6	298.8	29.6
7:00 AM	131	46	109	36	118	41	140	41	197	49	-	-	-	-	139.0	42.6	139.0	42.6
8:00 AM	42	56	58	49	43	60	41	55	61	65	-	-	-	-	49.0	57.0	49.0	57.0
9:00 AM	30	53	42	67	39	83	33	60	53	75	-	-	-	-	39.4	67.6	39.4	67.6
10:00 AM	36	105	26	79	39	85	42	65	42	98	-	-	-	-	37.0	86.4	37.0	86.4
11:00 AM	29	109	31	93	35	96	33	93	39	122	-	-	-	-	33.4	102.6	33.4	102.6
12:00 PM	49	124	38	111	47	116	44	102	46	141	-	-	-	-	44.8	118.8	44.8	118.8
1:00 PM	55	125	76	147	70	159	68	133	69	156	-	-	-	-	67.6	144.0	67.6	144.0
2:00 PM	41	122	51	145	40	132	42	126	56	145	-	-	-	-	46.0	134.0	46.0	134.0
3:00 PM	45	127	36	122	44	116	37	107	54	133	-	-	-	-	43.2	121.0	43.2	121.0
4:00 PM	37	141	43	146	49	139	48	136	46	162	-	-	-	-	44.6	144.8	44.6	144.8
5:00 PM	45	120	41	119	42	145	34	104	48	126	-	-	-	-	42.0	122.8	42.0	122.8
6:00 PM	29	91	30	107	39	101	26	115	32	101	-	-	-	-	31.2	103.0	31.2	103.0
7:00 PM	14	61	15	50	14	60	15	63	21	70	-	-	-	-	15.8	60.8	15.8	60.8
8:00 PM	9	42	7	60	9	49	8	38	12	43	-	-	-	-	9.0	46.4	9.0	46.4
9:00 PM	6	16	8	10	3	23	7	14	6	24	-	-	-	-	6.0	17.4	6.0	17.4
10:00 PM	2	7	1	13	2	8	0	8	5	17	-	-	-	-	2.0	10.6	2.0	10.6
11:00 PM	0	6	3	7	1	5	1	4	6	11	-	-	-	-	2.2	6.6	2.2	6.6
Totals	931	1395	944	1414	989	1462	945	1296	1251	1594	-	-	-	-	1012.0	1432.2	1012.0	1432.2
Combined	2326		2358		2451		2241		2845		-		-		2444.2		2444.2	
Split (%)	40.0	60.0	40.0	60.0	40.4	59.6	42.2	57.8	44.0	56.0	-	-	-	-	41.4	58.6	41.4	58.6
Peak Hours																		
12:00 AM - 12:00 PM	6:00 AM	11:00 AM	6:00 AM	11:00 AM	6:00 AM	11:00 AM	6:00 AM	11:00 AM	6:00 AM	11:00 AM	-	-	-	-	6:00 AM	11:00 AM	6:00 AM	11:00 AM
Volume	278	109	283	93	294	96	268	93	371	122	-	-	-	-	298.8	102.6	298.8	102.6
Factor	0.89	0.85	0.82	0.78	0.79	0.77	0.77	0.83	0.90	0.73	-	-	-	-	0.84	0.82	0.84	0.82
12:00 PM - 12:00 AM	12:45 PM	3:45 PM	1:00 PM	2:45 PM	12:45 PM	12:45 PM	1:15 PM	1:30 PM	1:00 PM	4:00 PM	-	-	-	-	1:00 PM	4:00 PM	1:00 PM	4:00 PM
Volume	58	144	76	150	74	165	71	136	69	162	-	-	-	-	67.6	144.8	67.6	144.8
Factor	0.66	0.84	0.83	0.82	0.93	0.98	0.68	0.83	0.86	0.94	-	-	-	-	0.78	0.96	0.78	0.96

81/118:
81/118:
81/118:

Site: 81/118
Saturday, 5/10/2014, 12:00:00 AM -
Friday, 5/16/2014, 11:59:59 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	5.4	0.4	0.1	0.4	1.7	1.4	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
1:00 AM	1.6	0.3	0.0	0.3	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	1.1	0.0	0.3	0.0	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	0.7	0.0	0.0	0.3	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	2.6	0.6	0.0	0.4	0.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	35.4	1.0	0.0	4.4	9.1	10.9	6.3	2.9	0.3	0.3	0.3	0.0	0.0	0.0
6:00 AM	101.1	0.4	2.3	10.1	24.3	35.9	21.4	4.9	1.4	0.3	0.1	0.0	0.0	0.0
7:00 AM	84.3	0.6	3.6	8.7	21.7	29.7	14.3	4.4	1.1	0.1	0.0	0.0	0.0	0.0
8:00 AM	71.3	1.3	3.1	8.3	21.0	25.3	10.3	1.6	0.1	0.3	0.0	0.0	0.0	0.0
9:00 AM	75.4	0.9	3.4	11.3	24.1	24.1	9.0	2.1	0.0	0.4	0.0	0.0	0.0	0.0
10:00 AM	86.1	1.4	2.9	12.1	26.6	26.0	12.9	3.9	0.1	0.3	0.0	0.0	0.0	0.0
11:00 AM	92.0	1.4	4.6	11.4	27.9	28.9	14.1	3.1	0.3	0.1	0.1	0.0	0.0	0.0
12:00 PM	109.9	1.3	3.6	16.0	28.9	39.1	15.7	4.3	0.9	0.1	0.0	0.0	0.0	0.0
1:00 PM	116.4	1.3	4.3	14.1	30.9	39.4	19.7	5.4	1.0	0.1	0.1	0.0	0.0	0.0
2:00 PM	112.0	0.4	3.9	13.6	34.6	38.0	16.0	4.4	1.1	0.0	0.0	0.0	0.0	0.0
3:00 PM	101.1	0.7	3.1	13.4	33.6	33.0	14.1	2.7	0.3	0.1	0.0	0.0	0.0	0.0
4:00 PM	111.6	1.0	3.0	12.4	31.6	40.0	19.1	3.4	0.9	0.1	0.0	0.0	0.0	0.0
5:00 PM	100.4	0.9	2.6	12.4	29.6	35.9	14.6	3.7	0.6	0.3	0.0	0.0	0.0	0.0
6:00 PM	88.7	1.3	3.6	10.3	27.9	30.7	11.7	3.0	0.1	0.1	0.0	0.0	0.0	0.0
7:00 PM	61.9	1.1	2.9	10.1	22.3	18.4	5.4	1.4	0.1	0.0	0.0	0.0	0.0	0.0
8:00 PM	44.7	0.6	2.9	9.6	14.4	11.3	5.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0
9:00 PM	21.4	0.6	1.1	3.3	6.3	6.9	2.0	0.7	0.4	0.0	0.1	0.0	0.0	0.0
10:00 PM	13.7	0.4	1.4	3.0	3.0	2.9	2.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0
11:00 PM	8.7	1.1	0.4	1.0	1.6	2.4	1.4	0.6	0.1	0.0	0.0	0.0	0.0	0.0
ADT	1447.7	19.0	53.0	187.1	422.9	481.3	216.9	54.4	9.4	2.9	0.9	0.0	0.0	0.0

Percentile Speeds	10%	15%	50%	85%	90%
(mph)	22.5	24.2	30.4	36.0	37.4

10 mph Pace Speed 25.3 - 35.3
Number in Pace 6385 (63.0 %)

Average 30.2 mph
Minimum 5.7 mph
Maximum 59.4 mph

Speeds Exceeded	30 mph	40 mph	50 mph
	52.9 %	4.7 %	0.3 %
Count	5360	473	26

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	10134	133	371	1310	2960	3369	1518	381	66	20	6	0	0	0
		1.3%	3.7%	12.9%	29.2%	33.2%	15.0%	3.8%	0.7%	0.2%	0.1%	0.0%	0.0%	0.0%