

RECEIVED JUN 07 2013



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

MEMORANDUM  
Department of Police

**FILE**

DATE: June 6, 2013  
TO: Chief Samuel Ceballos, Jr.  
FROM: Sergeant Heather Setter *HS 1384*  
RE: Traffic Survey conducted on SW 57<sup>th</sup> Ave north of SW 111<sup>th</sup> St

The results of the traffic survey conducted on SW 57<sup>th</sup> Ave north of SW 111<sup>th</sup> St revealed the following information:

May 16, 2013 to May 23, 2013 and June 3, 2013 to June 6, 2013\*

- The Monday thru Friday average on a one-week period was 11,979 vehicles daily.
- The week average on a one-week period was 11,203 vehicles daily.
- The weekend average was 9,263 vehicles daily
- On average, 50.6% of the vehicles traveled northbound and 49.4% traveled southbound on SW 57<sup>th</sup> Ave.
- The heaviest traffic (peak times) was 7:45AM and 3:15PM.
- The average daily speed on this road was 34.5 MPH, the minimum speed recorded was 1.0MPH, and the maximum speed recorded was 58.6 MPH. The 85 percentile was 41.7 MPH.
- The speed limit at this location is 35 MPH.

\*note: for the first survey, the box was in place until 5/23, however it slowly stopped collecting data over the course of the afternoon on 5/21. For the volume data I stopped using data from the first survey on 5/20 and began using data from the second survey on 6/4.



57/1111:  
57/1111:  
57/1111:

Box A

Site:

Weekly Volume

Interval	Mon 5/13/2013		Tue 5/14/2013		Wed 5/15/2013		Thu 5/16/2013		Fri 5/17/2013		Sat 5/18/2013		Sun 5/19/2013		Mon - Fri Average		Week Average			
	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo		
12:00 AM	-	-	-	-	-	-	-	-	16	51	64	122	72	115	16.0	51.0	50.7	96.0		
1:00 AM	-	-	-	-	-	-	-	-	15	39	36	79	59	73	15.0	39.0	36.7	63.7		
2:00 AM	-	-	-	-	-	-	-	-	12	12	21	48	23	49	12.0	12.0	18.7	36.3		
3:00 AM	-	-	-	-	-	-	-	-	8	17	17	23	26	24	8.0	17.0	17.0	21.3		
4:00 AM	-	-	-	-	-	-	-	-	41	15	18	32	18	15	41.0	15.0	25.7	20.7		
5:00 AM	-	-	-	-	-	-	-	-	76	48	28	29	21	26	76.0	48.0	41.7	34.3		
6:00 AM	-	-	-	-	-	-	-	-	251	78	79	60	47	32	251.0	78.0	125.7	56.7		
7:00 AM	-	-	-	-	-	-	-	-	414	224	131	89	96	414.0	224.0	213.7	132.0			
8:00 AM	-	-	-	-	-	-	-	-	443	325	400	221	138	443.0	325.0	327.0	222.0			
9:00 AM	-	-	-	-	-	-	-	-	392	298	364	300	236	366.0	238.7	328.3	246.9			
10:00 AM	-	-	-	-	-	-	-	-	388	257	366	300	291	393.5	264.5	353.5	274.3			
11:00 AM	-	-	-	-	-	-	-	-	325	262	361	322	236	336.0	275.5	347.8	282.0			
12:00 PM	-	-	-	-	-	-	-	-	335	259	439	311	369	328.0	295.5	366.0	311.0			
1:00 PM	-	-	-	-	-	-	-	-	342	320	403	322	322	349.5	311.5	356.0	312.0			
2:00 PM	-	-	-	-	-	-	-	-	309	388	339	334	317	313.0	377.0	320.5	343.8			
3:00 PM	-	-	-	-	-	-	-	-	426	535	287	315	315	420.5	503.0	360.8	397.5			
4:00 PM	-	-	-	-	-	-	-	-	458	307	318	385	295	431.0	299.5	368.8	281.3			
5:00 PM	-	-	-	-	-	-	-	-	405	385	349	372	277	388.0	371.5	350.5	313.8			
6:00 PM	-	-	-	-	-	-	-	-	325	596	282	317	302	371.0	536.5	331.5	403.8			
7:00 PM	-	-	-	-	-	-	-	-	237	428	295	309	210	279.0	403.5	265.8	350.0			
8:00 PM	-	-	-	-	-	-	-	-	188	286	248	231	196	210.0	323.0	216.0	270.5			
9:00 PM	-	-	-	-	-	-	-	-	125	240	160	249	108	149.5	251.0	141.8	225.3			
10:00 PM	-	-	-	-	-	-	-	-	89	184	161	216	84	128.5	215.5	125.5	190.0			
11:00 PM	-	-	-	-	-	-	-	-	55	117	143	244	51	97.0	188.0	97.0	170.0			
Totals	-	-	-	-	-	-	-	-	4164	4624	6050	5774	5279	5230	4231	3785	5836.5	5663.2	5186.2	5054.9
Combined Split (%)	-	-	-	-	-	-	-	-	8788	52.6	11824	48.8	10509	49.8	8016	47.2	11499.7	49.2	10241.1	49.4
<b>Peak Hours</b>																				
12:00 AM - 12:00 PM	-	-	-	-	-	-	-	-	9:45 AM	11:00 AM	7:45 AM	8:15 AM	8:30 AM	10:45 AM	11:00 AM	10:15 AM	7:45 AM	8:15 AM	9:45 AM	10:15 AM
Volume	-	-	-	-	-	-	-	-	419	262	453	352	474	324	358	296	453.0	352.0	362.8	292.0
Factor	-	-	-	-	-	-	-	-	0.80	0.85	0.86	0.95	0.76	0.96	0.93	0.80	0.86	0.91	0.91	0.91
12:00 PM - 12:00 AM	-	-	-	-	-	-	-	-	3:30 PM	6:00 PM	5:45 PM	3:15 PM	12:15 PM	4:15 PM	12:00 PM	12:15 PM	3:30 PM	3:15 PM	3:30 PM	3:15 PM
Volume	-	-	-	-	-	-	-	-	462	596	452	489	447	420	369	343	451.5	537.5	386.3	413.5
Factor	-	-	-	-	-	-	-	-	0.85	0.95	0.97	0.91	0.93	0.94	0.85	0.90	0.94	0.90	0.93	0.92

57/111:  
57/111:  
57/111:

Site:

Weekly Volume

Interval	Mon 5/20/2013		Tue 5/21/2013		Wed 5/22/2013		Thu 5/23/2013		Fri 5/24/2013		Sat 5/25/2013		Sun 5/26/2013		Mon - Fri Average		Week Average			
	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo	northbo	southbo		
12:00 AM	23	42	22	34	0	0	0	0	0	0	0	0	0	0	0	11.3	19.0	11.3	19.0	
1:00 AM	13	27	8	23	0	0	0	0	0	0	0	0	0	0	0	5.3	12.5	5.3	12.5	
2:00 AM	10	18	8	12	0	0	0	0	0	0	0	0	0	0	0	4.5	7.5	4.5	7.5	
3:00 AM	7	3	3	7	0	0	0	0	0	0	0	0	0	0	0	2.5	2.5	2.5	2.5	
4:00 AM	15	15	17	10	0	0	0	0	0	0	0	0	0	0	0	8.0	6.3	8.0	6.3	
5:00 AM	66	18	55	15	0	0	0	0	0	0	0	0	0	0	0	30.3	8.3	30.3	8.3	
6:00 AM	265	58	250	56	0	0	0	0	0	0	0	0	0	0	0	128.8	28.5	128.8	28.5	
7:00 AM	392	225	238	77	0	0	0	0	0	0	0	0	0	0	0	157.5	75.5	157.5	75.5	
8:00 AM	421	325	228	85	0	0	0	0	0	0	0	0	0	0	0	162.3	102.5	162.3	102.5	
9:00 AM	374	254	229	77	0	0	0	0	0	0	0	0	0	0	0	150.8	82.8	150.8	82.8	
10:00 AM	322	227	184	57	0	0	0	0	0	0	0	0	0	0	0	126.5	71.3	126.5	71.3	
11:00 AM	333	217	120	47	0	0	0	0	0	0	0	0	0	0	0	120.8	70.4	120.8	70.4	
12:00 PM	322	275	66	18	0	0	0	0	0	0	0	0	0	0	0	129.3	97.7	129.3	97.7	
1:00 PM	344	277	6	8	0	0	0	0	0	0	0	0	0	0	0	116.7	95.0	116.7	95.0	
2:00 PM	317	374	23	22	0	0	0	0	0	0	0	0	0	0	0	113.3	132.0	113.3	132.0	
3:00 PM	410	515	72	33	0	0	0	0	0	0	0	0	0	0	0	160.7	182.7	160.7	182.7	
4:00 PM	321	515	30	12	0	0	0	0	0	0	0	0	0	0	0	117.0	175.7	117.0	175.7	
5:00 PM	265	540	8	2	0	0	0	0	0	0	0	0	0	0	0	91.0	180.7	91.0	180.7	
6:00 PM	216	540	0	1	0	0	0	0	0	0	0	0	0	0	0	72.0	180.3	72.0	180.3	
7:00 PM	173	329	5	3	0	0	0	0	0	0	0	0	0	0	0	59.3	110.7	59.3	110.7	
8:00 PM	130	217	1	1	0	0	0	0	0	0	0	0	0	0	0	43.7	72.7	43.7	72.7	
9:00 PM	80	182	0	0	0	0	0	0	0	0	0	0	0	0	0	26.7	60.7	26.7	60.7	
10:00 PM	55	148	0	0	0	0	0	0	0	0	0	0	0	0	0	18.3	49.3	18.3	49.3	
11:00 PM	31	103	0	0	0	0	0	0	0	0	0	0	0	0	0	10.3	34.3	10.3	34.3	
Totals	4905	5444	1573	600	0	0	0	0	0	0	0	0	0	0	0	1866.6	1858.6	1866.6	1858.6	
Combined Split (%)	10349	52.6	2173	27.6	0	-	0.0	1	100.0	-	-	-	-	-	-	3725.2	49.9	3725.2	49.9	
Peak Hours																				
12:00 AM - 12:00 PM	7:45 AM	8:30 AM	6:30 AM	6:45 AM	12:00 AM	12:00 AM	12:00 AM	9:15 AM	12:00 AM	12:00 AM	-	-	-	-	-	7:45 AM	8:00 AM	7:45 AM	8:00 AM	
Volume	449	330	304	92	0	0	0	1	0	0	0	0	0	0	0	172.5	102.5	172.5	102.5	
Factor	0.95	0.72	0.84	0.82	-	-	-	0.25	-	-	-	-	-	-	-	0.89	0.73	0.89	0.73	
12:00 PM - 12:00 AM	3:00 PM	5:15 PM	3:00 PM	2:30 PM	12:00 AM	12:00 AM	-	-	-	-	-	-	-	-	-	3:00 PM	3:15 PM	3:00 PM	3:15 PM	
Volume	410	542	72	37	0	0	-	-	-	-	-	-	-	-	-	160.7	190.0	160.7	190.0	
Factor	0.92	0.90	0.69	0.77	-	-	-	-	-	-	-	-	-	-	-	0.94	0.88	0.94	0.88	

# Box B

57/1111: Site:  
 57/1111:  
 57/1111:  
 Weekly Volume

Interval	Mon 6/3/2013		Tue 6/4/2013		Wed 6/5/2013		Thu 6/6/2013		Fri 6/7/2013		Sat 6/8/2013		Sun 6/9/2013		Mon - Fri Average		Week Average	
	northbo	southbou	northbo	southbou	northbo	southbou	northbo	southbou	northbo	southbou	northbo	southbou	northbo	southbou	northbo	southbou	northbo	southbou
12:00 AM - 1:00 AM	-	-	41	240	28	70	48	90	-	-	-	-	-	-	39.0	133.3	39.0	133.3
1:00 AM - 2:00 AM	-	-	19	42	15	31	22	44	-	-	-	-	-	-	18.7	39.0	18.7	39.0
2:00 AM - 3:00 AM	-	-	12	20	7	13	14	25	-	-	-	-	-	-	11.0	19.3	11.0	19.3
3:00 AM - 4:00 AM	-	-	2	14	4	10	8	12	-	-	-	-	-	-	4.7	12.0	4.7	12.0
4:00 AM - 5:00 AM	-	-	13	6	15	8	17	12	-	-	-	-	-	-	15.0	8.7	15.0	8.7
5:00 AM - 6:00 AM	-	-	69	20	69	20	64	21	-	-	-	-	-	-	67.3	20.3	67.3	20.3
6:00 AM - 7:00 AM	-	-	247	78	273	78	243	73	-	-	-	-	-	-	254.3	76.3	254.3	76.3
7:00 AM - 8:00 AM	-	-	418	152	464	167	386	115	-	-	-	-	-	-	422.7	144.7	422.7	144.7
8:00 AM - 9:00 AM	-	-	517	339	550	350	506	349	-	-	-	-	-	-	524.3	346.0	524.3	346.0
9:00 AM - 10:00 AM	-	-	498	326	473	291	434	292	-	-	-	-	-	-	468.3	303.0	468.3	303.0
10:00 AM - 11:00 AM	-	-	452	307	435	323	379	323	-	-	-	-	-	-	422.0	317.7	422.0	317.7
11:00 AM - 12:00 PM	-	-	452	289	373	326	25	26	-	-	-	-	-	-	377.8	284.9	377.8	284.9
12:00 PM - 1:00 PM	-	-	415	356	414	376	-	-	-	-	-	-	-	-	414.5	366.0	414.5	366.0
1:00 PM - 2:00 PM	-	-	475	377	444	403	-	-	-	-	-	-	-	-	459.5	390.0	459.5	390.0
2:00 PM - 3:00 PM	-	-	314	414	323	455	-	-	-	-	-	-	-	-	318.5	434.5	318.5	434.5
3:00 PM - 4:00 PM	-	-	327	462	372	476	-	-	-	-	-	-	-	-	349.5	469.0	349.5	469.0
4:00 PM - 5:00 PM	-	-	305	563	325	528	-	-	-	-	-	-	-	-	315.0	545.5	315.0	545.5
5:00 PM - 6:00 PM	-	-	308	641	290	644	-	-	-	-	-	-	-	-	299.0	642.5	299.0	642.5
6:00 PM - 7:00 PM	190	313	305	623	266	575	-	-	-	-	-	-	-	276.7	549.5	276.7	549.5	
7:00 PM - 8:00 PM	240	400	186	317	194	429	-	-	-	-	-	-	-	234.0	429.3	234.0	429.3	
8:00 PM - 9:00 PM	169	309	148	305	139	316	-	-	-	-	-	-	-	183.0	314.0	183.0	314.0	
9:00 PM - 10:00 PM	95	148	95	297	114	358	-	-	-	-	-	-	-	117.7	279.3	117.7	279.3	
10:00 PM - 11:00 PM	45	159	54	171	81	185	-	-	-	-	-	-	-	84.7	271.3	84.7	271.3	
11:00 PM - 12:00 AM	68	229	-	-	-	-	-	-	-	-	-	-	-	67.7	195.0	67.7	195.0	
Totals	807	1558	5875	6818	5898	6817	2146	1382	-	-	-	-	-	5744.8	6591.2	5744.8	6591.2	
Combined Split (%)	2365	65.9	12693	53.7	12715	53.6	3528	39.2	-	-	-	-	-	12336.0	53.4	12336.0	53.4	
Peak Hours	12:00 AM - 12:00 PM	-	8:00 AM - 8:15 AM	-	8:00 AM - 8:30 AM	-	8:00 AM - 8:15 AM	-	-	-	-	-	-	8:00 AM - 8:15 AM	-	8:00 AM - 8:15 AM	-	
Volume Factor	-	-	517	358	550	385	506	377	-	-	-	-	-	524.3	370.0	524.3	370.0	
	-	-	0.90	0.92	0.90	0.79	0.97	0.79	-	-	-	-	-	0.93	0.82	0.93	0.82	
12:00 PM - 12:00 AM	271	480	499	688	447	659	-	-	-	-	-	-	-	473.0	653.0	473.0	653.0	
Volume Factor	0.86	0.93	0.89	0.95	0.91	0.95	-	-	-	-	-	-	-	0.92	0.92	0.92	0.92	

# Box A

## Speed Grand Totals A Tube

mph	Total	Hourly Averages															
		< 15	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -	< 200		
12:00 AM	43.0	0.3	0.4	0.3	3.4	9.6	15.6	11.3	1.7	0.3	0.1	0.0	0.0	0.0	0.0		
1:00 AM	35.7	0.1	0.1	0.1	2.6	7.0	14.0	9.7	1.7	0.1	0.1	0.0	0.0	0.0	0.0		
2:00 AM	20.6	0.0	0.3	0.6	0.6	5.7	5.9	5.4	1.1	0.4	0.0	0.0	0.0	0.0	0.0		
3:00 AM	17.6	0.0	0.0	0.0	1.4	4.0	4.6	4.9	2.0	0.7	0.0	0.0	0.0	0.0	0.0		
4:00 AM	22.7	0.0	0.4	0.6	0.6	4.7	5.6	3.9	4.0	0.6	0.3	0.0	0.0	0.0	0.0		
5:00 AM	37.7	0.0	0.1	0.9	3.4	7.4	9.1	10.6	4.4	1.6	0.6	0.1	0.0	0.0	0.0		
6:00 AM	64.9	0.6	0.7	1.3	6.1	12.4	19.1	17.4	5.7	1.0	0.4	0.0	0.0	0.0	0.0		
7:00 AM	58.1	1.1	0.6	4.0	8.1	16.7	17.3	7.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0		
8:00 AM	61.7	4.6	0.9	4.6	12.7	16.0	13.7	7.9	1.0	0.4	0.0	0.0	0.0	0.0	0.0		
9:00 AM	64.1	5.6	1.4	4.0	10.6	15.5	14.8	9.4	2.4	0.5	0.0	0.0	0.0	0.0	0.0		
10:00 AM	71.9	3.3	2.0	4.5	10.9	17.6	18.9	10.0	4.1	0.5	0.1	0.0	0.0	0.0	0.0		
11:00 AM	64.6	2.3	2.5	3.4	9.6	17.6	17.9	9.0	2.3	0.1	0.0	0.0	0.0	0.0	0.0		
12:00 PM	77.7	2.3	0.9	5.3	14.6	21.0	19.0	11.4	2.7	0.6	0.0	0.0	0.0	0.0	0.0		
1:00 PM	63.9	0.9	1.6	4.1	15.3	16.0	16.7	7.0	1.9	0.4	0.0	0.0	0.0	0.0	0.0		
2:00 PM	74.3	2.6	2.3	6.0	15.9	22.4	15.9	6.9	1.9	0.6	0.0	0.0	0.0	0.0	0.0		
3:00 PM	62.4	3.7	1.3	5.1	11.0	17.3	15.3	6.9	1.4	0.3	0.1	0.0	0.0	0.0	0.0		
4:00 PM	58.0	3.7	1.0	2.9	11.1	14.4	16.0	6.7	1.7	0.4	0.0	0.0	0.0	0.0	0.0		
5:00 PM	62.6	1.4	1.0	2.9	9.0	17.7	19.4	8.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0		
6:00 PM	67.0	0.1	0.9	2.1	8.6	17.9	19.4	9.6	3.1	0.3	0.1	0.0	0.0	0.0	0.0		
7:00 PM	75.6	0.1	0.7	2.6	9.1	18.3	24.3	14.9	3.4	1.1	0.0	0.0	0.0	0.0	0.0		
8:00 PM	73.0	0.3	1.0	2.6	6.9	16.9	25.0	15.4	3.6	1.4	0.0	0.0	0.0	0.0	0.0		
9:00 PM	74.3	0.3	0.3	2.3	6.6	19.7	28.0	13.4	3.3	0.4	0.0	0.0	0.0	0.0	0.0		
10:00 PM	71.6	0.4	0.3	1.9	6.9	14.7	27.7	15.1	3.7	0.9	0.0	0.0	0.0	0.0	0.0		
11:00 PM	65.9	0.1	0.4	1.6	6.9	18.3	21.3	13.4	3.3	0.4	0.1	0.0	0.0	0.0	0.0		
ADT	1388.8	33.8	21.0	63.9	194.6	348.9	410.2	235.7	65.9	13.1	1.7	0.0	0.0	0.0	0.0		

**Percentile Speeds**  
(mph)

10%	15%	50%	85%	90%
25.8	27.9	35.4	41.7	43.2

**10 mph Pace Speed**  
Number in Pace

31.4 - 41.4  
5491 (55.3%)

**Average** 34.5 mph  
**Minimum** 1.0 mph  
**Maximum** 58.6 mph

**Speeds Exceeded**

35 mph	45 mph	55 mph
52.2%	5.8%	0.1%
Count	5176	575
		12

mph	Total	Study Grand Totals															
		< 15	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -	< 200		
A Tube	9922	248	153	459	1393	2493	2923	1678	470	93	12	0	0	0	0		
		2.5%	1.5%	4.6%	14.0%	25.1%	29.5%	16.9%	4.7%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%		