



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

MEMORANDUM
Department of Police

DATE: October 5, 2013
TO: Chief Samuel Ceballos, Jr.
FROM: Sergeant Heather Setter ~~1384~~ 1384
RE: Traffic Survey conducted on 7900-blk of SW 132nd St

FILE
STB
10/07/13

The results of the traffic survey conducted on the 7900-blk of SW 132nd St

September 25th, 2013 to October 1st, 2013*

- The Monday thru Friday average on a one-week period was 2,197 vehicles daily.
- The week average on a one-week period was 1,953 vehicles daily.
- The weekend average was 1,344 vehicles daily
- On average, 61.9% of the vehicles traveled eastbound and 38.1% traveled westbound on SW 132nd St.
- The heaviest traffic (peak times) were 7:30AM and 2:15PM.
- The average daily speed on this road was 33.1mph, the minimum speed recorded was 2.9mph, and the maximum speed recorded was 59.7mph. The 85 percentile was 39.1mph.
- The speed limit at this location is 30mph.

*The survey box and tubes were in place from 7pm on September 24th until 7am on October 3rd. During the afternoon on October 2nd, there was locally heavy rain including flooding and it appears to have affected the data collection after 4pm on that day. Calculations for the volume statistics used the data collected between the 25th to the 1st providing exactly one full week of data.



132/79:
132/79:
132/79:

Box B

Site:

Weekly Volume

Interval	Mon 9/23/2013		Tue 9/24/2013		Wed 9/25/2013		Thu 9/26/2013		Fri 9/27/2013		Sat 9/28/2013		Sun 9/29/2013		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	-	-	-	-	6	4	3	2	7	2	2	7	2	3	5.3	2.7	6.8	2.6
1:00 AM	-	-	-	-	4	0	1	2	4	2	2	7	2	3	3.0	1.7	3.8	2.0
2:00 AM	-	-	-	-	0	0	1	0	4	2	2	2	1	3	1.7	1.3	2.2	1.6
3:00 AM	-	-	-	-	1	3	2	2	1	4	1	1	3	3	1.3	3.0	1.2	3.0
4:00 AM	-	-	-	-	3	1	1	2	1	2	0	0	0	1	1.7	1.7	1.6	1.2
5:00 AM	-	-	-	-	3	1	4	3	5	5	3	3	1	0	4.0	3.0	3.2	2.6
6:00 AM	-	-	-	-	24	14	23	17	16	13	5	5	3	2	21.0	14.7	14.0	9.6
7:00 AM	-	-	-	-	133	49	125	44	109	41	10	9	3	8	122.3	44.7	76.0	30.2
8:00 AM	-	-	-	-	175	82	146	71	154	77	34	22	21	17	158.3	76.7	106.0	53.8
9:00 AM	-	-	-	-	62	52	55	61	56	58	45	35	36	24	57.7	57.0	50.8	46.0
10:00 AM	-	-	-	-	43	43	46	40	46	32	74	44	44	27	45.0	38.3	50.6	36.2
11:00 AM	-	-	-	-	79	40	67	47	65	36	95	50	64	30	70.3	41.0	74.0	40.6
12:00 PM	-	-	-	-	79	37	105	61	59	46	79	35	62	27	81.0	48.0	76.8	41.2
1:00 PM	-	-	-	-	90	49	115	93	81	60	69	34	65	32	95.3	67.3	84.0	53.6
2:00 PM	-	-	-	-	104	96	85	53	73	84	69	36	79	36	91.0	74.0	84.2	58.8
3:00 PM	-	-	-	-	103	72	87	85	104	82	78	44	63	22	98.0	79.7	87.0	61.0
4:00 PM	-	-	-	-	88	83	83	64	92	90	68	33	77	25	87.7	79.0	81.6	59.0
5:00 PM	-	-	-	-	91	85	66	75	68	68	38	29	75.3	29	75.3	76.0	74.4	59.0
6:00 PM	-	-	-	-	85	58	80	63	79	61	70	46	69	30	81.3	60.7	76.6	51.6
7:00 PM	-	-	-	-	64	49	71	44	58	42	52	31	66	24	59.7	41.5	59.4	36.2
8:00 PM	-	-	-	-	51	23	51	26	48	25	36	13	56	23	50.0	23.3	48.7	21.5
9:00 PM	-	-	-	-	53	14	48	20	39	17	26	10	31	11	43.8	15.5	38.7	13.8
10:00 PM	-	-	-	-	27	7	20	7	35	12	13	10	16	6	26.3	8.8	22.3	8.5
11:00 PM	-	-	-	-	14	5	11	3	14	5	14	4	13	5	11.5	5.3	12.2	5.0
Totals	-	-	139	47	1359	869	1296	885	1230	856	933	504	860	390	1292.5	864.6	1136.1	698.6
Combined Split (%)	-	-	186	25.3	2228	39.0	2181	40.6	2086	41.0	1437	35.1	1250	31.2	2157.1	40.1	1834.7	38.1
Peak Hours	-	-	-	-	7:45 AM	8:15 AM	7:30 AM	8:15 AM	7:30 AM	8:15 AM	10:30 AM	11:00 AM	11:00 AM	9:30 AM	7:30 AM	8:15 AM	8:00 AM	8:15 AM
12:00 AM -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volume Factor	-	-	-	-	178	96	158	95	155	89	95	50	64	31	163.3	93.3	106.0	64.6
	-	-	-	-	0.91	0.71	0.81	0.70	0.75	0.79	0.95	0.69	0.89	0.78	0.85	0.75	0.83	0.73
12:00 PM -	-	-	-	-	2:15 PM	3:45 PM	12:45 PM	1:00 PM	2:15 PM	3:15 PM	3:30 PM	5:30 PM	4:30 PM	1:30 PM	2:15 PM	3:15 PM	2:15 PM	3:15 PM
Volume Factor	-	-	60	19	106	99	115	93	116	112	82	47	80	43	104.3	93.3	90.0	67.4
	-	-	0.88	0.79	0.78	0.67	0.85	0.86	0.74	0.57	0.76	0.84	0.83	0.83	0.90	0.67	0.91	0.72

132/79:
132/79:
132/79:

Site:

Weekly Volume

Interval	Mon 9/30/2013		Tue 10/1/2013		Wed 10/2/2013		Thu 10/3/2013		Fri 10/4/2013		Sat 10/5/2013		Sun 10/6/2013		Mon - Fri Average		Week Average	
	eastbound	westbound	eastbound	westbound	eastbound	westbound	eastbound	westbound	eastbound	westbound	eastbound	westbound	eastbound	westbound	eastbound	westbound	eastbound	westbound
12:00 AM	4	4	11	1	6	3	0	0	-	-	-	-	-	-	5.3	2.0	5.3	2.0
1:00 AM	3	3	1	1	2	0	0	0	-	-	-	-	-	-	1.3	1.0	1.3	1.0
2:00 AM	0	2	7	0	0	1	0	0	-	-	-	-	-	-	1.8	0.8	1.8	0.8
3:00 AM	0	0	0	0	0	1	0	0	-	-	-	-	-	-	0.0	0.3	0.0	0.3
4:00 AM	0	1	1	1	0	2	0	0	-	-	-	-	-	-	0.3	1.0	0.3	1.0
5:00 AM	5	4	2	2	3	7	0	0	-	-	-	-	-	-	2.5	3.3	2.5	3.3
6:00 AM	17	8	21	19	21	11	0	0	-	-	-	-	-	-	14.8	9.5	14.8	9.5
7:00 AM	119	51	111	52	139	46	0	0	-	-	-	-	-	-	98.4	39.7	98.4	39.7
8:00 AM	152	86	173	79	165	81	0	0	-	-	-	-	-	-	163.3	82.0	163.3	82.0
9:00 AM	59	50	49	55	48	59	-	-	-	-	-	-	-	-	52.0	54.7	52.0	54.7
10:00 AM	41	34	47	31	43	41	-	-	-	-	-	-	-	-	43.7	35.3	43.7	35.3
11:00 AM	85	47	74	60	62	47	-	-	-	-	-	-	-	-	73.7	51.3	73.7	51.3
12:00 PM	75	54	56	48	74	41	-	-	-	-	-	-	-	-	68.3	47.7	68.3	47.7
1:00 PM	82	48	80	46	85	43	-	-	-	-	-	-	-	-	82.3	45.7	82.3	45.7
2:00 PM	108	65	106	76	106	60	-	-	-	-	-	-	-	-	106.7	67.0	106.7	67.0
3:00 PM	119	89	107	99	7	2	-	-	-	-	-	-	-	-	77.7	63.3	77.7	63.3
4:00 PM	95	93	92	77	1	0	-	-	-	-	-	-	-	-	62.7	56.7	62.7	56.7
5:00 PM	122	96	92	81	0	0	-	-	-	-	-	-	-	-	71.3	55.7	71.3	55.7
6:00 PM	107	57	79	64	0	0	-	-	-	-	-	-	-	-	62.0	40.3	62.0	40.3
7:00 PM	73	53	90	41	0	0	-	-	-	-	-	-	-	-	54.3	31.3	54.3	31.3
8:00 PM	55	34	70	14	0	0	-	-	-	-	-	-	-	-	41.7	16.0	41.7	16.0
9:00 PM	27	19	32	11	0	0	-	-	-	-	-	-	-	-	19.7	10.0	19.7	10.0
10:00 PM	23	11	18	8	0	0	-	-	-	-	-	-	-	-	13.7	6.3	13.7	6.3
11:00 PM	9	10	13	4	0	0	-	-	-	-	-	-	-	-	7.3	4.7	7.3	4.7
Totals	1380	909	1331	870	762	445	0	0	-	-	-	-	-	-	1124.5	725.5	1124.5	725.5
Combined Split (%)	2289	39.7	2201	39.5	1207	36.9	0	-	-	-	-	-	-	-	1850.0	39.2	1850.0	39.2
Peak Hours																		
12:00 AM - 1:00 AM	7:45 AM	8:15 AM	8:00 AM	8:15 AM	7:45 AM	8:15 AM	12:00 AM	12:00 AM	-	-	-	-	-	-	7:45 AM	8:15 AM	7:45 AM	8:15 AM
Volume Factor	156	0.95	173	0.86	175	0.91	89	0	-	-	-	-	-	-	165.0	0.94	165.0	0.94
12:00 PM - 1:00 PM	5:00 PM	3:15 PM	2:30 PM	3:15 PM	1:45 PM	1:45 PM	-	-	-	-	-	-	-	-	2:00 PM	3:15 PM	2:00 PM	3:15 PM
Volume Factor	122	0.95	109	0.85	114	0.98	77	-	-	-	-	-	-	-	106.7	0.93	106.7	0.93

132/79:
132/79:
132/79:

Site:
Tuesday, 9/24/2013, 7:57:37 PM -
Thursday, 10/3/2013, 7:32:00 AM

Speed Grand Totals
A Tube

mph	Hourly Averages												
	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
Total	6.2	1.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
12:00 AM	0.1	0.0	0.2	1.0	2.0	2.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0
1:00 AM	0.0	0.1	0.0	0.2	1.2	0.9	0.6	0.1	0.0	0.0	0.0	0.0	0.0
2:00 AM	0.0	0.0	0.3	0.3	0.8	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	0.0	0.1	0.0	0.4	0.6	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.0
4:00 AM	0.0	0.0	0.0	0.1	1.6	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	0.2	0.4	0.7	1.6	1.6	1.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0
6:00 AM	1.4	0.8	1.4	4.8	6.7	4.9	2.3	0.2	0.0	0.0	0.0	0.0	0.0
7:00 AM	1.6	1.1	2.7	13.1	27.7	21.6	7.6	1.3	0.3	0.0	0.0	0.0	0.0
8:00 AM	2.9	1.1	5.3	19.6	39.1	25.9	7.9	1.4	0.5	0.0	0.0	0.0	0.0
9:00 AM	1.3	1.3	3.9	12.9	22.9	17.8	4.3	1.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	1.0	0.3	4.4	12.6	20.5	15.6	5.9	0.9	0.8	0.1	0.0	0.0	0.0
11:00 AM	1.1	1.4	5.0	14.3	24.6	19.3	10.0	2.0	0.5	0.1	0.0	0.0	0.0
12:00 PM	0.5	1.9	5.6	11.6	26.9	21.1	8.5	1.0	0.4	0.0	0.0	0.0	0.0
1:00 PM	1.4	2.3	3.5	16.3	31.1	24.0	9.0	1.4	0.3	0.1	0.0	0.0	0.0
2:00 PM	0.8	1.9	5.9	17.4	36.3	27.1	8.9	1.4	0.4	0.0	0.0	0.0	0.0
3:00 PM	1.4	2.6	8.1	17.5	31.0	25.3	9.1	1.4	0.1	0.0	0.0	0.0	0.0
4:00 PM	1.8	1.4	4.8	15.3	31.5	26.3	7.9	2.3	0.1	0.0	0.0	0.0	0.0
5:00 PM	88.5	1.6	0.8	4.9	13.8	27.1	28.5	9.6	2.1	0.0	0.0	0.0	0.0
6:00 PM	85.8	0.6	1.1	16.3	30.8	24.3	7.9	0.6	0.4	0.1	0.0	0.0	0.0
7:00 PM	59.3	0.8	3.1	9.1	22.0	16.4	5.4	1.2	0.6	0.1	0.0	0.0	0.0
8:00 PM	44.0	1.1	2.0	7.9	14.8	11.4	4.2	1.1	0.2	0.2	0.0	0.0	0.0
9:00 PM	34.2	0.4	2.4	7.2	11.4	7.0	4.2	1.0	0.1	0.0	0.0	0.0	0.0
10:00 PM	21.2	0.4	2.2	4.1	6.2	5.4	1.6	0.6	0.4	0.0	0.0	0.0	0.0
11:00 PM	13.2	0.4	0.7	2.9	4.7	2.8	1.2	0.3	0.1	0.0	0.0	0.0	0.0
ADT	1231.3	20.8	20.7	70.8	220.2	330.8	117.3	21.7	5.2	1.1	0.0	0.0	0.0

Percentile Speeds
(mph) 10% 15% 50% 85% 90%
25.5 27.2 33.4 39.1 40.6

10 mph Pace Speed
Number in Pace 28.7 - 38.7
6325 (62.4 %) Average
Minimum 33.1 mph
Maximum 2.9 mph
59.7 mph

Speeds Exceeded
Count 30 mph 40 mph 50 mph
73.0 % 11.8 % 0.5 %
7405 1199 52

mph	Study Grand Totals												
	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
Total	173	170	582	1814	3484	2722	967	180	43	9	0	0	0
A Tube	1.7%	1.7%	5.7%	17.9%	34.3%	26.8%	9.5%	1.8%	0.4%	0.1%	0.0%	0.0%	0.0%