



# MEMORANDUM

DEPARTMENT OF POLICE



John R. Hohensee  
Chief of Police

DATE: July 16, 2011  
TO: John R. Hohensee, Police Chief  
FROM: Carlos Villanueva, Patrol Sergeant (Thru Channels)  
SURVEY: 82 Avenue  
BETWEEN: 120<sup>th</sup> Street and 124<sup>th</sup> Street  
AT: 12200 SW 82 Avenue, 200 feet south of 120<sup>th</sup> Street

*JA*  
*7/25/2011*  
APPROVED  
CHIEF OF POLICE  
*Per 7/25/11*

The results of the Traffic Survey at **82<sup>nd</sup> Avenue and 122 Street** revealed the following information:

July 5, 2011 to July 16, 2011

- The Monday thru Friday average on a one-week period was 2,994 vehicles daily.
- The weekly average on a one-week period was 2,983 vehicles daily.
- On average, 58% of the vehicles traveled southbound and 42% traveled northbound on 82<sup>nd</sup> Avenue.
- The heaviest traffic (peak times) was 8:30AM and 5:30PM.
- The average daily speed on this road was 36MPH, the minimum speed recorded was 8MPH, and the maximum speed recorded was 49MPH. The 85 percentile was 42 MPH.
- The speed limit at this location is 30 MPH.
- The only recommendation to make for this location at this time is to assign officers on a traffic enforcement detail periodically.

*Chief*  
*This survey was random and at my request High 85% speed and in PM hours.*  
*JA*

Box A

Speed Grand Totals  
 A Tube

mph	Hourly Averages										ADT			
	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
12:00 AM	11.0	0.1	0.2	0.2	0.8	1.6	3.6	3.3	1.2	0.0	0.0	0.0	0.0	0.0
1:00 AM	5.2	0.0	0.0	0.1	0.6	0.4	1.7	2.0	0.4	0.0	0.0	0.0	0.0	0.0
2:00 AM	3.2	0.0	0.0	0.1	0.2	0.5	1.5	0.6	0.4	0.0	0.0	0.0	0.0	0.0
3:00 AM	2.2	0.0	0.0	0.0	0.0	0.2	0.6	1.1	0.3	0.0	0.0	0.0	0.0	0.0
4:00 AM	1.5	0.0	0.0	0.0	0.1	0.4	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0
5:00 AM	6.1	0.0	0.1	0.1	0.8	1.7	1.1	1.6	0.6	0.0	0.0	0.0	0.0	0.0
6:00 AM	13.1	0.2	0.3	0.5	1.5	2.2	4.4	3.1	1.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	23.2	0.3	0.5	1.4	3.5	5.8	5.5	4.9	1.4	0.0	0.0	0.0	0.0	0.0
8:00 AM	36.2	0.3	0.5	1.7	4.4	8.8	11.0	8.0	1.5	0.0	0.0	0.0	0.0	0.0
9:00 AM	37.5	0.2	0.2	2.3	5.8	9.8	11.8	5.9	1.5	0.0	0.0	0.0	0.0	0.0
10:00 AM	40.9	0.1	0.4	2.1	5.5	9.9	11.9	8.2	2.8	0.0	0.0	0.0	0.0	0.0
11:00 AM	37.2	0.1	0.3	2.0	5.4	8.1	10.9	8.1	2.3	0.0	0.0	0.0	0.0	0.0
12:00 PM	44.4	0.0	0.4	2.5	7.3	9.0	13.1	8.1	4.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	44.6	0.1	0.3	1.9	5.4	9.9	14.5	10.2	2.3	0.0	0.0	0.0	0.0	0.0
2:00 PM	47.0	0.3	0.7	1.9	5.5	11.2	16.0	9.0	2.4	0.0	0.0	0.0	0.0	0.0
3:00 PM	55.7	0.2	0.5	1.8	5.3	13.0	19.7	11.7	3.5	0.0	0.0	0.0	0.0	0.0
4:00 PM	51.8	0.1	0.3	1.8	5.1	10.0	17.8	14.2	2.5	0.0	0.0	0.0	0.0	0.0
5:00 PM	67.8	0.3	0.4	1.6	4.2	11.6	24.4	19.5	5.8	0.0	0.0	0.0	0.0	0.0
6:00 PM	60.7	0.1	0.3	1.7	5.5	11.3	20.9	16.6	4.3	0.0	0.0	0.0	0.0	0.0
7:00 PM	57.9	0.0	0.0	1.6	4.6	11.5	21.3	15.4	3.5	0.0	0.0	0.0	0.0	0.0
8:00 PM	42.5	0.0	0.1	1.1	4.3	9.9	16.2	9.5	1.4	0.0	0.0	0.0	0.0	0.0
9:00 PM	39.1	0.3	0.3	0.7	3.0	9.8	13.6	9.0	2.4	0.0	0.0	0.0	0.0	0.0
10:00 PM	24.8	0.0	0.0	0.5	1.7	5.6	7.5	7.5	1.8	0.0	0.0	0.0	0.0	0.0
11:00 PM	17.0	0.0	0.2	0.4	0.9	3.9	6.3	4.0	1.4	0.0	0.0	0.0	0.0	0.0
ADT	770.5	2.6	5.9	28.0	81.4	166.1	255.9	182.0	48.6	0.0	0.0	0.0	0.0	0.0

Percentile Speeds  
 (mph)

50% 36.8  
 85% 42.2  
 90% 43.3

10 mph Pace Speed  
 Number in Pace

33.3 - 43.3  
 5076 (64.7%)

Average  
 Minimum 36.4 mph  
 Maximum 8.5 mph  
 49.5 mph

Speeds Exceeded  
 Count

30 mph 84.7%  
 6653

40 mph 30.0%  
 2355

50 mph 0.0%  
 0

Study Grand Totals

0 - 15 < 20 0.3%  
 27

15 - 20 < 25 0.8%  
 60

20 - 25 < 30 3.6%  
 284

25 - 30 < 35 10.5%  
 827

30 - 35 < 40 21.6%  
 1693

35 - 40 < 45 33.2%  
 2605

40 - 45 < 45 23.7%  
 1858

45 - 50 < 50 6.3%  
 497

50 - 55 < 55 0.0%  
 0

55 - 60 < 60 0.0%  
 0

60 - 65 < 65 0.0%  
 0

65 - 70 < 70 0.0%  
 0

70 - < 200 0.0%  
 0

A Tube 7851

82 Avenue and :  
 Description 2:  
 Description 3:

Site: 0000000000000

Weekly Volume

Interval	Mon 7/4/2011		Tue 7/5/2011		Wed 7/6/2011		Thu 7/7/2011		Fri 7/8/2011		Sat 7/9/2011		Sun 7/10/2011		Mon - Fri Average		Week Average		
	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	
12:00 AM	-	-	12	10	12	12	13	10	27	21	30	31	12.3	10.7	18.8	16.8	9.6	8.6	
1:00 AM	-	-	5	4	10	3	4	6	15	16	14	14	6.3	4.3	9.6	8.6	6.4	4.0	
2:00 AM	-	-	4	1	4	5	6	2	8	7	10	7	4.7	2.7	6.4	4.0	2.8	3.6	
3:00 AM	-	-	3	2	1	3	2	3	5	6	3	4	2.0	2.7	2.8	2.8	2.8	2.4	
4:00 AM	-	-	0	4	3	0	4	1	4	3	3	4	2.3	1.7	2.8	2.4	9.6	4.0	
5:00 AM	-	-	11	6	9	7	16	4	8	3	4	0	12.0	5.7	9.6	4.0	19.6	16.4	
6:00 AM	-	-	24	19	29	18	25	25	13	13	7	7	26.0	20.7	19.6	16.4	55.2	34.6	
7:00 AM	-	-	76	39	85	48	72	49	28	25	15	12	77.7	45.3	55.2	34.6	82.8	67.0	
8:00 AM	-	-	112	75	112	105	97	92	55	38	38	25	107.0	90.7	82.8	67.0	88.7	73.2	
9:00 AM	-	-	93	101	87	83	83	82	69	48	34	35	87.7	88.7	73.2	69.8	90.0	83.0	
10:00 AM	-	-	97	83	74	84	99	82	77	75	69	56	90.0	83.0	76.0	70.8	106.7	90.6	
11:00 AM	-	-	73	66	68	65	106	66	90	101	79	56	82.3	65.7	83.2	70.8	86.7	86.4	
12:00 PM	-	-	109	95	100	98	111	95	99	96	65	69	106.7	96.0	96.8	90.6	104.7	82.3	
1:00 PM	-	-	96	83	66	85	98	92	97	107	106	75	86.7	86.7	92.6	88.4	103.0	91.7	
2:00 PM	-	-	94	87	110	76	110	84	121	88	95	70	104.7	82.3	106.0	81.0	116.0	104.4	
3:00 PM	-	-	83	75	107	98	119	102	88	83	96	54	116.0	100.3	98.6	82.4	118.7	92.0	
4:00 PM	-	-	120	98	107	96	121	107	87	105	87	56	127.0	115.7	113.4	98.0	106.6	78.6	
5:00 PM	-	-	133	109	112	124	136	114	109	75	77	68	118.7	92.0	106.6	78.6	100.3	67.3	
6:00 PM	-	-	124	91	119	100	113	85	102	57	75	60	118.7	92.0	106.6	78.6	79.7	53.3	
7:00 PM	-	-	102	58	90	63	109	81	89	54	83	62	100.3	67.3	94.6	63.6	64.8	34.3	
8:00 PM	-	-	75	47	90	47	74	66	64	49	66	59	64.8	34.3	59.8	37.5	42.0	20.8	
9:00 PM	-	-	64	33	55	26	66	48	50	43	50	45	42.0	20.8	41.3	24.2	22.3	17.5	
10:00 PM	-	-	31	13	41	27	51	29	60	34	20	28	42.0	20.8	41.3	24.2	1582.0	1279.5	
11:00 PM	-	-	24	12	13	6	34	38	32	43	19	15	22.3	17.5	23.3	21.3	1458.5	1185.6	
Totals	-	-	119	58	1504	1279	1669	1363	1397	1190	1145	910	1582.0	1279.5	1458.5	1185.6	2861.5	2644.1	
Combined Split (%)	-	-	177	32.8	2783	46.0	3032	45.0	2587	46.0	2055	44.3	55.3	44.7	55.2	44.8	8:00 AM	8:45 AM	
Peak Hours	-	-	-	-	7:45 AM	8:00 AM	11:00 AM	8:45 AM	11:00 AM	11:00 AM	11:00 AM	10:15 AM	8:00 AM	8:45 AM	10:15 AM	8:45 AM	8:45 AM	10:15 AM	8:45 AM
12:00 AM -	-	-	-	-	9:00 AM	8:00 AM	11:00 AM	8:45 AM	11:00 AM	11:00 AM	11:00 AM	10:15 AM	8:00 AM	8:45 AM	10:15 AM	8:45 AM	10:15 AM	8:45 AM	
Volume	-	-	-	-	101	105	106	96	90	101	79	62	107.0	100.0	84.8	78.2	107.0	100.0	
Factor	-	-	-	-	0.90	0.69	0.85	0.86	0.94	0.94	0.86	0.82	0.97	0.86	0.91	0.89	0.97	0.86	
12:00 PM -	-	-	9:15 PM	9:00 PM	5:15 PM	5:30 PM	4:30 PM	4:15 PM	2:00 PM	3:45 PM	1:15 PM	1:15 PM	4:45 PM	5:00 PM	4:45 PM	5:00 PM	4:45 PM	5:00 PM	
Volume	-	-	68	33	120	125	140	114	121	109	112	78	128.7	115.7	115.2	98.0	128.7	115.7	
Factor	-	-	0.68	0.52	0.94	0.84	0.81	0.89	0.95	0.94	0.88	0.93	0.96	0.89	0.89	0.94	0.96	0.89	

82 Avenue and :  
 Description 2:  
 Description 3:

Site:

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Weekly Volume

Interval	Mon 7/11/2011		Tue 7/12/2011		Wed 7/13/2011		Thu 7/14/2011		Fri 7/15/2011		Sat 7/16/2011		Sun 7/17/2011		Mon - Fri Average		Week Average	
	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo	Southbo	Northbo
12:00 AM - 1:00 AM	10	9	12	13	9	17	6	12	3	21	6	-	-	-	12.2	7.8	13.7	5.0
1:00 AM - 2:00 AM	7	6	5	8	1	7	7	13	4	10	6	-	-	-	8.4	4.8	8.7	4.8
2:00 AM - 3:00 AM	2	3	6	3	0	3	0	8	7	8	3	-	-	-	4.2	3.2	4.8	3.2
3:00 AM - 4:00 AM	1	1	0	0	0	3	3	10	2	5	0	-	-	-	3.0	1.2	3.3	1.0
4:00 AM - 5:00 AM	1	3	4	1	2	5	6	2	4	11	2	-	-	-	2.4	3.8	3.8	3.5
5:00 AM - 6:00 AM	5	7	7	9	4	8	6	11	5	10	1	-	-	-	8.0	5.8	8.3	5.0
6:00 AM - 7:00 AM	18	21	26	20	21	25	13	16	15	14	7	-	-	-	21.4	19.2	20.2	17.2
7:00 AM - 8:00 AM	65	50	58	45	24	83	37	86	41	16	3	-	-	-	67.0	42.0	61.0	37.0
8:00 AM - 9:00 AM	113	113	105	124	89	120	70	106	55	-	-	-	-	-	113.6	84.0	113.6	84.0
9:00 AM - 10:00 AM	82	104	69	126	89	125	63	128	66	-	-	-	-	-	111.8	78.2	111.8	78.2
10:00 AM - 11:00 AM	97	91	83	102	73	113	65	118	63	-	-	-	-	-	93.8	75.0	103.8	75.0
11:00 AM - 12:00 PM	74	74	79	89	69	100	58	100	58	-	-	-	-	-	93.2	67.6	93.2	67.6
12:00 PM - 1:00 PM	124	96	87	125	73	145	57	132	69	-	-	-	-	-	126.2	76.4	126.2	76.4
1:00 PM - 2:00 PM	102	91	83	126	64	125	73	113	70	-	-	-	-	-	112.2	76.2	112.2	76.2
2:00 PM - 3:00 PM	93	88	75	123	74	124	57	133	66	-	-	-	-	-	117.0	72.0	117.0	72.0
3:00 PM - 4:00 PM	102	107	112	126	74	143	89	149	73	-	-	-	-	-	126.4	89.0	126.4	89.0
4:00 PM - 5:00 PM	108	124	101	124	81	125	83	126	92	-	-	-	-	-	117.0	96.2	117.0	96.2
5:00 PM - 6:00 PM	122	167	122	158	128	142	85	147	132	-	-	-	-	-	139.0	126.8	139.0	126.8
6:00 PM - 7:00 PM	133	149	135	155	92	134	86	133	82	-	-	-	-	-	138.0	137.0	138.0	137.0
7:00 PM - 8:00 PM	85	77	84	120	62	113	41	123	38	-	-	-	-	-	111.6	60.4	111.6	60.4
8:00 PM - 9:00 PM	62	51	44	102	41	95	33	82	30	-	-	-	-	-	87.4	39.8	87.4	39.8
9:00 PM - 10:00 PM	38	41	32	67	28	79	40	84	29	-	-	-	-	-	68.2	34.0	68.2	34.0
10:00 PM - 11:00 PM	26	14	22	55	23	57	26	52	26	-	-	-	-	-	45.6	22.2	45.6	22.2
Totals	1504	1502	1486	1840	1129	1906	1011	1929	1038	95	28	-	-	-	1761.2	1233.2	1758.5	1224.8
Combined Split (%)	3006	50.0	3113	2969	38.0	2917	65.3	2967	65.0	123	22.8	-	-	-	2994.4	41.2	2983.3	41.1
Peak Hours																		
12:00 AM - 12:00 PM	8:00 AM	8:30 AM	8:00 AM	8:45 AM	8:30 AM	8:45 AM	8:30 AM	9:00 AM	10:30 AM	6:30 AM	12:30 AM	-	-	-	8:45 AM	8:30 AM	8:45 AM	8:30 AM
Volume Factor	113	130	109	134	97	127	76	128	69	24	9	-	-	-	116.8	92.2	116.8	92.2
	0.78	0.86	0.80	0.86	0.84	0.91	0.76	0.89	0.82	0.67	0.56	-	-	-	0.89	0.87	0.89	0.87
12:00 PM - 12:00 AM	5:30 PM	5:30 PM	6:00 PM	5:15 PM	5:15 PM	12:30 PM	5:45 PM	5:30 PM	5:15 PM	-	-	-	-	-	5:45 PM	5:30 PM	5:45 PM	5:30 PM
Volume Factor	140	202	137	165	129	153	94	151	140	-	-	-	-	-	142.4	152.4	142.4	152.4
	0.92	0.89	0.93	0.84	0.69	0.72	0.87	0.82	0.92	-	-	-	-	-	0.93	0.87	0.93	0.87