



Samuel Ceballos, Jr.  
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MEMORANDUM  
Department of Police

**FILE**  
*SPB*

DATE: June 10, 2016  
TO: Chief Samuel Ceballos, Jr.  
FROM: Sergeant Heather Schry *HS*  
RE: Traffic Survey conducted at 11803 SW 81<sup>st</sup> Rd

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The results of the traffic survey conducted at 11803 SW 81<sup>st</sup> Rd were as follows:

June 7<sup>th</sup>-June 9<sup>th</sup>, 2016

- The daily average was 2677 vehicles
- On average, 61.2% of the vehicles travel south and 38.8% travel north on SW 81<sup>st</sup> Ave.
- The heaviest traffic (peak times) were 7:15 am and 5:15 pm.
- The average daily speed on this road was 31.3mph, the minimum speed recorded was 10.3mph, and the maximum speed recorded was 54.5mph. The 85 percentile was 37.4mph.
- The speed limit at this location is 30mph.



118/81  
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118/81

# Box A

Site: 118/81

## Seven Day Volume (Volume factor 0.5)

| Interval Start | Tue 6/7/2016 |       | Wed 6/8/2016 |       | Thu 6/9/2016 |       | Fri 6/10/2016 |       | Sat 6/11/2016 |       | Sun 6/12/2016 |       | Mon 6/13/2016 |        | Mon - Fri Average |        | 7 Day Average |        |
|----------------|--------------|-------|--------------|-------|--------------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|--------|-------------------|--------|---------------|--------|
|                | north        | south | north        | south | north        | south | north         | south | north         | south | north         | south | north         | south  | north             | south  | north         | south  |
| 00:00          | 4            | 7     | 0            | 3     | 1            | 9     | -             | -     | -             | -     | -             | -     | -             | -      | 1.7               | 6.3    | 1.7           | 6.3    |
| 01:00          | 3            | 0     | 0            | 0     | 0            | 3     | -             | -     | -             | -     | -             | -     | -             | -      | 1.0               | 1.3    | 1.0           | 1.3    |
| 02:00          | 0            | 2     | 1            | 2     | 3            | 5     | -             | -     | -             | -     | -             | -     | -             | -      | 1.3               | 3.0    | 1.3           | 3.0    |
| 03:00          | 0            | 0     | 0            | 0     | 0            | 0     | -             | -     | -             | -     | -             | -     | -             | -      | 0.0               | 0.0    | 0.0           | 0.0    |
| 04:00          | 2            | 0     | 1            | 1     | 0            | 0     | -             | -     | -             | -     | -             | -     | -             | -      | 1.0               | 0.3    | 1.0           | 0.3    |
| 05:00          | 2            | 2     | 9            | 3     | 2            | 2     | -             | -     | -             | -     | -             | -     | -             | -      | 4.3               | 2.3    | 4.3           | 2.3    |
| 06:00          | 65           | 8     | 70           | 10    | 61           | 9     | -             | -     | -             | -     | -             | -     | -             | -      | 65.3              | 9.0    | 65.3          | 9.0    |
| 07:00          | 213          | 25    | 243          | 35    | 195          | 37    | -             | -     | -             | -     | -             | -     | -             | -      | 217.0             | 32.3   | 217.0         | 32.3   |
| 08:00          | 152          | 40    | 179          | 40    | 180          | 40    | -             | -     | -             | -     | -             | -     | -             | -      | 170.3             | 40.0   | 170.3         | 40.0   |
| 09:00          | 66           | 60    | 97           | 68    | 91           | 52    | -             | -     | -             | -     | -             | -     | -             | -      | 84.7              | 60.0   | 84.7          | 60.0   |
| 10:00          | 41           | 67    | 48           | 81    | 44           | 76    | -             | -     | -             | -     | -             | -     | -             | -      | 44.3              | 74.7   | 44.3          | 74.7   |
| 11:00          | 49           | 88    | 39           | 80    | 53           | 99    | -             | -     | -             | -     | -             | -     | -             | -      | 47.0              | 89.0   | 47.0          | 89.0   |
| 12:00          | 64           | 115   | 59           | 98    | 59           | 137   | -             | -     | -             | -     | -             | -     | -             | -      | 60.7              | 116.7  | 60.7          | 116.7  |
| 13:00          | 51           | 147   | 63           | 118   | 61           | 133   | -             | -     | -             | -     | -             | -     | -             | -      | 58.3              | 132.7  | 58.3          | 132.7  |
| 14:00          | 58           | 150   | 51           | 143   | 37           | 126   | -             | -     | -             | -     | -             | -     | -             | -      | 48.7              | 139.7  | 48.7          | 139.7  |
| 15:00          | 42           | 103   | 52           | 113   | 54           | 128   | -             | -     | -             | -     | -             | -     | -             | -      | 49.3              | 114.7  | 49.3          | 114.7  |
| 16:00          | 47           | 168   | 44           | 171   | 40           | 159   | -             | -     | -             | -     | -             | -     | -             | -      | 43.7              | 166.0  | 43.7          | 166.0  |
| 17:00          | 34           | 222   | 33           | 183   | 35           | 180   | -             | -     | -             | -     | -             | -     | -             | -      | 34.0              | 195.0  | 34.0          | 195.0  |
| 18:00          | 30           | 210   | 34           | 158   | 53           | 159   | -             | -     | -             | -     | -             | -     | -             | -      | 39.0              | 175.7  | 39.0          | 175.7  |
| 19:00          | 32           | 124   | 35           | 101   | 32           | 108   | -             | -     | -             | -     | -             | -     | -             | -      | 33.0              | 111.0  | 33.0          | 111.0  |
| 20:00          | 19           | 71    | 14           | 67    | 10           | 101   | -             | -     | -             | -     | -             | -     | -             | -      | 14.3              | 79.7   | 14.3          | 79.7   |
| 21:00          | 14           | 42    | 10           | 51    | 12           | 59    | -             | -     | -             | -     | -             | -     | -             | -      | 12.0              | 50.7   | 12.0          | 50.7   |
| 22:00          | 3            | 28    | 5            | 27    | 12           | 35    | -             | -     | -             | -     | -             | -     | -             | -      | 6.7               | 30.0   | 6.7           | 30.0   |
| 23:00          | 0            | 5     | 0            | 13    | 4            | 13    | -             | -     | -             | -     | -             | -     | -             | -      | 0.0               | 9.0    | 0.0           | 9.0    |
| Totals         | 991          | 1685  | 1087         | 1566  | 1039         | 1670  | 0             | 0     | 0             | 0     | 0             | 0     | 0             | 0      | 1037.7            | 1639.0 | 1037.7        | 1639.0 |
| Combined       | 2676         |       | 2653         |       | 2709         |       | 0             | 0     | 0             | 0     | 0             | 0     | 0             | 2676.7 |                   | 2676.7 |               | 2676.7 |
| Split (%)      | 37.0         | 63.0  | 41.0         | 59.0  | 38.4         | 61.6  | -             | -     | -             | -     | -             | -     | -             | 38.8   | 61.2              | 38.8   | 61.2          | 61.2   |

### Peak Hours

|               |       |       |       |       |       |       |   |   |   |   |   |   |   |   |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|---|---|---|---|---|---|---|---|-------|-------|-------|-------|
| 00:00 - 12:00 | 07:30 | 10:45 | 07:15 | 10:30 | 07:30 | 11:00 | - | - | - | - | - | - | - | - | 07:15 | 10:30 | 07:15 | 10:30 |
| Volume        | 219   | 88    | 260   | 97    | 232   | 99    | - | - | - | - | - | - | - | - | 235.0 | 89.7  | 235.0 | 89.7  |
| Factor        | 0.90  | 0.88  | 0.96  | 0.87  | 0.85  | 0.83  | - | - | - | - | - | - | - | - | 0.93  | 0.90  | 0.93  | 0.90  |
| 12:00 - 00:00 | 12:30 | 17:15 | 12:30 | 16:30 | 13:15 | 17:30 | - | - | - | - | - | - | - | - | 12:30 | 17:15 | 12:30 | 17:15 |
| Volume        | 69    | 256   | 66    | 192   | 63    | 197   | - | - | - | - | - | - | - | - | 62.3  | 211.3 | 62.3  | 211.3 |
| Factor        | 0.72  | 0.91  | 0.79  | 0.83  | 0.88  | 0.88  | - | - | - | - | - | - | - | - | 0.82  | 0.96  | 0.82  | 0.96  |

Speed Grand Totals

| mph                       | Hourly Averages |              |                |              |                |              |                   |              |                 |                        | Sensor A |              |              |               |
|---------------------------|-----------------|--------------|----------------|--------------|----------------|--------------|-------------------|--------------|-----------------|------------------------|----------|--------------|--------------|---------------|
|                           | 0 -<br>< 15     | 15 -<br>< 20 | 20 -<br>< 25   | 25 -<br>< 30 | 30 -<br>< 35   | 35 -<br>< 40 | 40 -<br>< 45      | 45 -<br>< 50 | 50 -<br>< 55    | 55 -<br>< 60           |          | 60 -<br>< 65 | 65 -<br>< 70 | 70 -<br>< 200 |
| Total                     | 7.7             | 0.0          | 1.7            | 2.7          | 2.0            | 0.7          | 0.7               | 0.0          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 00:00                     | 7.7             | 0.0          | 1.7            | 2.7          | 2.0            | 0.7          | 0.7               | 0.0          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 01:00                     | 2.3             | 0.0          | 0.0            | 1.0          | 0.7            | 0.0          | 0.3               | 0.0          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 02:00                     | 3.7             | 0.0          | 1.3            | 1.0          | 1.0            | 0.3          | 0.0               | 0.0          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 03:00                     | 0.0             | 0.0          | 0.0            | 0.0          | 0.0            | 0.0          | 0.0               | 0.0          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 04:00                     | 1.3             | 0.0          | 0.0            | 0.3          | 0.7            | 0.3          | 0.0               | 0.0          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 05:00                     | 6.0             | 0.3          | 2.3            | 0.3          | 1.0            | 0.7          | 1.0               | 0.0          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 06:00                     | 46.0            | 0.0          | 3.3            | 7.7          | 15.0           | 14.0         | 3.3               | 1.7          | 0.3             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 07:00                     | 115.0           | 0.0          | 12.0           | 23.3         | 37.3           | 29.0         | 9.0               | 1.3          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 08:00                     | 118.7           | 0.3          | 9.3            | 23.3         | 43.3           | 28.3         | 9.7               | 2.7          | 0.3             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 09:00                     | 99.7            | 0.3          | 4.7            | 12.3         | 31.7           | 21.7         | 4.7               | 2.7          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 10:00                     | 83.0            | 1.0          | 5.3            | 21.3         | 26.0           | 12.7         | 3.7               | 0.7          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 11:00                     | 94.0            | 3.3          | 6.3            | 25.0         | 27.0           | 12.0         | 3.7               | 0.7          | 0.3             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 12:00                     | 111.7           | 1.0          | 4.0            | 30.3         | 35.7           | 19.0         | 3.0               | 1.3          | 0.3             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 13:00                     | 117.7           | 0.7          | 3.0            | 12.7         | 38.7           | 22.0         | 5.7               | 1.0          | 0.7             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 14:00                     | 115.7           | 1.0          | 3.0            | 29.7         | 37.3           | 19.7         | 5.0               | 2.0          | 0.7             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 15:00                     | 100.0           | 0.7          | 2.0            | 30.7         | 35.0           | 13.7         | 6.0               | 0.3          | 0.3             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 16:00                     | 130.7           | 0.7          | 3.3            | 33.3         | 50.7           | 21.7         | 7.0               | 1.7          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 17:00                     | 136.7           | 0.7          | 3.7            | 27.7         | 46.7           | 36.3         | 10.7              | 1.3          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 18:00                     | 119.0           | 1.0          | 3.7            | 27.3         | 35.0           | 31.3         | 6.0               | 2.0          | 0.3             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 19:00                     | 93.3            | 1.0          | 4.0            | 26.3         | 27.3           | 20.0         | 6.0               | 0.7          | 0.7             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 20:00                     | 74.3            | 0.0          | 7.3            | 21.0         | 25.7           | 13.0         | 4.7               | 0.7          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 21:00                     | 53.7            | 0.3          | 5.0            | 15.3         | 16.7           | 10.3         | 3.7               | 0.7          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 22:00                     | 31.0            | 0.0          | 1.0            | 8.3          | 9.7            | 6.0          | 0.7               | 0.0          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| 23:00                     | 10.3            | 0.0          | 1.3            | 2.7          | 4.7            | 1.3          | 0.3               | 0.0          | 0.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| Daily Average             | 1671.3          | 12.7         | 53.0           | 413.7        | 548.7          | 334.0        | 94.7              | 21.3         | 4.0             | 0.0                    | 0.0      | 0.0          | 0.0          | 0.0           |
| <b>Average (Mean)</b>     |                 | 31.3 mph     | <b>Minimum</b> | 10.3 mph     | <b>Maximum</b> | 54.5 mph     | <b>Pace Range</b> |              | 26.7 - 36.7 mph | 3019 vehicles (60.2 %) |          |              |              |               |
| <b>Percentile Speeds</b>  |                 | (mph)        | 10%            | 15%          | 50%            | 85%          | 90%               |              |                 |                        |          |              |              |               |
|                           |                 |              | 23.3           | 24.9         | 31.6           | 37.4         | 39.0              |              |                 |                        |          |              |              |               |
| <b>Speeds Exceeded</b>    |                 |              | 30 mph         | 40 mph       | 50 mph         |              |                   |              |                 |                        |          |              |              |               |
|                           |                 |              | 60.0 % (3008)  | 7.2 % (360)  | 0.2 % (12)     |              |                   |              |                 |                        |          |              |              |               |
| <b>Study Grand Totals</b> |                 |              |                |              |                |              |                   |              |                 |                        |          |              |              |               |
| Total                     | 5014            | 38           | 159            | 1241         | 1646           | 1002         | 284               | 64           | 12              | 0                      | 0        | 0            | 0            |               |
| Sensor A                  |                 | 0.8 %        | 3.2 %          | 11.3 %       | 32.8 %         | 20.0 %       | 5.7 %             | 1.3 %        | 0.2 %           | 0.0 %                  | 0.0 %    | 0.0 %        | 0.0 %        |               |