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# Memorandum

The City of Traverse City  
Engineering Department



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TO: Timothy J. Lodge, P.E., City Engineer  
FROM: Abhishek Deora, Engineering Aide  
DATE: August 25th, 2017  
SUBJECT: Boughey St between Veterans Dr & High St Classification Count

This memo is to formalize City Engineering's initial findings and observations in regard to the class of vehicles traveling on Boughey St between Veterans Dr and High St.

City Engineering performed a 24-hour classification count of Boughey St began at 11:10 am on August 23rd, 2017 and ended at 12:35 pm on August 24th, 2017. The data was gathered using a Jamar Traffic Counter which collected traffic data, including vehicle classification, for each lane of traffic (northbound and southbound) using two parallel tubes that are placed on the road and are connected to the device. This information was then analyzed and the data for each lane compiled into one report, regardless of direction, using TraxPro. The TraxPro report organized the classification of the vehicles into groups. The report shows how many vehicles were within the specified class during one hour intervals as indicated by the report.

A total of 565 vehicles traveled on Boughey St during the 24-hour class count. The vehicle class count showed that 1 vehicles, 0.6 percent, traveling on Boughey St during the count were a class 6 (FHA Scheme F) or higher.

37 vehicles, 24.0 percent, fell into class 14 which is for bicycles and unknown vehicles. This number suggests that many people use this section of Boughey St as a bicycling route. This number could also be partially due to vehicles parking on the tubes for the traffic counter.

## Summary:

- Number of Vehicles: 565 vehicles
- Class 6 or Higher: 0.6%
- Class 1 to 5: 75.4%
- Class 14 (Unknown/Bicycles): 24.0%

Encl.: Detailed TraxPro Classification Report

Bouhey St  
Between Veterans Dr & High St  
Class

Site Code: 00000000000  
Station ID:

Latitude: 0' 0.0000 South

A to B

| Start Time | Class 1 | Class 2 | Class 3 | Class 4 | Class 5 | Class 6 | Class 7 | Class 8 | Class 9 | Class 10 | Class 11 | Class 12 | Class 13 | Class 14 | Total |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|-------|
| 08/23/17   | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 01:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 02:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 03:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 04:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 05:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 06:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 07:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 08:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 09:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 10:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 11:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 12 PM      | 0       | 10      | 2       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 13    |
| 13:00      | 0       | 12      | 2       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 2        | 16    |
| 14:00      | 0       | 17      | 2       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 2        | 22    |
| 15:00      | 0       | 29      | 2       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 2        | 34    |
| 16:00      | 0       | 11      | 2       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 13    |
| 17:00      | 0       | 11      | 4       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 16    |
| 18:00      | 0       | 12      | 1       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 13    |
| 19:00      | 1       | 10      | 2       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 13    |
| 20:00      | 0       | 10      | 3       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 13    |
| 21:00      | 0       | 6       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 6     |
| 22:00      | 0       | 2       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 2     |
| 23:00      | 0       | 1       | 1       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 2     |
| Total      | 1       | 131     | 21      | 0       | 4       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 6        | 163   |
| Percent    | 0.6%    | 80.4%   | 12.9%   | 0.0%    | 2.5%    | 0.0%    | 0.0%    | 0.0%    | 0.0%    | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 3.7%     |       |

AM  
Peak  
Vol.

| PM Peak Vol. | 19:00 | 15:00 | 17:00 | 12:00 | 13:00 | 15:00 |
|--------------|-------|-------|-------|-------|-------|-------|
|              | 1     | 29    | 4     | 1     | 2     | 34    |



Bougey St  
Between Veterans Dr & High St  
Class

Site Code: 00000000000  
Station ID:

Latitude: 0' 0.0000 South

B to A

| Start Time | Class 1 | Class 2 | Class 3 | Class 4 | Class 5 | Class 6 | Class 7 | Class 8 | Class 9 | Class 10 | Class 11 | Class 12 | Class 13 | Class 14 | Total |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|-------|
| 08/23/17   | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 01:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 02:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 03:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 04:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 05:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 06:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 07:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 08:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 09:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 10:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 11:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 12 PM      | 0       | 5       | 8       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 11       | 25    |
| 13:00      | 0       | 7       | 3       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 13       | 23    |
| 14:00      | 0       | 9       | 1       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 17       | 27    |
| 15:00      | 0       | 17      | 4       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 12       | 34    |
| 16:00      | 1       | 11      | 6       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 4        | 23    |
| 17:00      | 0       | 21      | 4       | 0       | 4       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 7        | 36    |
| 18:00      | 0       | 10      | 0       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 7        | 18    |
| 19:00      | 0       | 8       | 8       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 3        | 19    |
| 20:00      | 0       | 3       | 3       | 0       | 3       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 8        | 17    |
| 21:00      | 0       | 6       | 1       | 0       | 2       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 6        | 15    |
| 22:00      | 0       | 7       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 2        | 9     |
| 23:00      | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 2        | 2     |
| Total      | 1       | 104     | 38      | 0       | 13      | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 92       | 248   |
| Percent    | 0.4%    | 41.9%   | 15.3%   | 0.0%    | 5.2%    | 0.0%    | 0.0%    | 0.0%    | 0.0%    | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 37.1%    |       |

AM  
Peak  
Vol.

| PM Peak Vol. | 16:00 | 17:00 | 12:00 | 17:00 | 14:00 | 17:00 |
|--------------|-------|-------|-------|-------|-------|-------|
|              | 1     | 21    | 8     | 4     | 17    | 36    |

Bouhey St  
Between Veterans Dr & High St  
Class

Site Code: 00000000000  
Station ID:

Latitude: 0' 0.0000 South

B to A

| Start Time  | Class 1 | Class 2 | Class 3 | Class 4 | Class 5 | Class 6 | Class 7 | Class 8 | Class 9 | Class 10 | Class 11 | Class 12 | Class 13 | Class 14 | Total |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|-------|
| 08/24/17    | 0       | 2       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 1        | 3     |
| 01:00       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0     |
| 02:00       | 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     |
| 04:00       | 0       | 2       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 2     |
| 05:00       | 0       | 2       | 1       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 1        | 4     |
| 06:00       | 0       | 1       | 0       | 0       | 2       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 1        | 4     |
| 07:00       | 0       | 4       | 3       | 0       | 2       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 4        | 13    |
| 08:00       | 1       | 5       | 2       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 8        | 16    |
| 09:00       | 0       | 3       | 0       | 0       | 2       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 5        | 10    |
| 10:00       | 0       | 5       | 6       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 6        | 17    |
| 11:00       | 0       | 5       | 4       | 0       | 0       | 0       | 0       | 1       | 0       | 0        | 0        | 0        | 0        | 7        | 17    |
| 12 PM       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 13:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 14:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 15:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 16:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 17:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 18:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 19:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 20:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 21:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 22:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 23:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| Total       | 1       | 29      | 16      | 0       | 6       | 0       | 0       | 1       | 0       | 0        | 0        | 0        | 0        | 33       | 86    |
| Percent     | 1.2%    | 33.7%   | 18.6%   | 0.0%    | 7.0%    | 0.0%    | 0.0%    | 1.2%    | 0.0%    | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 38.4%    |       |
| AM Peak     | 08:00   | 08:00   | 10:00   |         | 06:00   |         |         | 11:00   |         |          |          |          |          | 08:00    | 10:00 |
| Vol.        | 1       | 5       | 6       |         | 2       |         |         | 1       |         |          |          |          |          | 8        | 17    |
| PM Peak     |         |         |         |         |         |         |         |         |         |          |          |          |          |          |       |
| Vol.        |         |         |         |         |         |         |         |         |         |          |          |          |          |          |       |
| Grand Total | 2       | 133     | 54      | 0       | 19      | 0       | 0       | 1       | 0       | 0        | 0        | 0        | 0        | 125      | 334   |
| Percent     | 0.6%    | 39.8%   | 16.2%   | 0.0%    | 5.7%    | 0.0%    | 0.0%    | 0.3%    | 0.0%    | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 37.4%    |       |

Bougey St  
Between Veterans Dr & High St  
Class

Site Code: 00000000000  
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

| Start Time | Class 1 | Class 2 | Class 3 | Class 4 | Class 5 | Class 6 | Class 7 | Class 8 | Class 9 | Class 10 | Class 11 | Class 12 | Class 13 | Class 14 | Total |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|-------|
| 08/23/17   | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 01:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 02:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 03:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 04:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 05:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 06:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 07:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 08:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 09:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 10:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 11:00      | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 12 PM      | 0       | 15      | 10      | 0       | 2       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 11       | 38    |
| 13:00      | 0       | 19      | 5       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 15       | 39    |
| 14:00      | 0       | 26      | 3       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 19       | 49    |
| 15:00      | 0       | 46      | 6       | 0       | 2       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 14       | 68    |
| 16:00      | 1       | 22      | 8       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 4        | 36    |
| 17:00      | 0       | 32      | 8       | 0       | 5       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 7        | 52    |
| 18:00      | 0       | 22      | 1       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 7        | 31    |
| 19:00      | 1       | 18      | 10      | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 3        | 32    |
| 20:00      | 0       | 13      | 6       | 0       | 3       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 8        | 30    |
| 21:00      | 0       | 12      | 1       | 0       | 2       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 6        | 21    |
| 22:00      | 0       | 9       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 2        | 11    |
| 23:00      | 0       | 1       | 1       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 2        | 4     |
| Total      | 2       | 235     | 59      | 0       | 17      | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 98       | 411   |
| Percent    | 0.5%    | 57.2%   | 14.4%   | 0.0%    | 4.1%    | 0.0%    | 0.0%    | 0.0%    | 0.0%    | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 23.8%    |       |

AM  
Peak  
Vol.

| PM Peak Vol. | 16:00 | 15:00 | 12:00 | 17:00 |  | 14:00 | 15:00 |
|--------------|-------|-------|-------|-------|--|-------|-------|
|              | 1     | 46    | 10    | 5     |  | 19    | 68    |

Bouhey St  
Between Veterans Dr & High St  
Class

Site Code: 00000000000  
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

| Start Time  | Class 1 | Class 2 | Class 3 | Class 4 | Class 5 | Class 6 | Class 7 | Class 8 | Class 9 | Class 10 | Class 11 | Class 12 | Class 13 | Class 14 | Total |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|-------|
| 08/24/17    | 0       | 2       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 1        | 3     |
| 01:00       | 0       | 1       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 1     |
| 02:00       | 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     |
| 04:00       | 0       | 5       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 5     |
| 05:00       | 0       | 3       | 1       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 1        | 5     |
| 06:00       | 1       | 5       | 0       | 0       | 2       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 2        | 10    |
| 07:00       | 0       | 11      | 4       | 0       | 2       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 5        | 22    |
| 08:00       | 1       | 11      | 3       | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 8        | 23    |
| 09:00       | 0       | 15      | 2       | 0       | 2       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 6        | 25    |
| 10:00       | 0       | 17      | 9       | 0       | 1       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 7        | 34    |
| 11:00       | 0       | 12      | 6       | 0       | 0       | 0       | 0       | 1       | 0       | 0        | 0        | 0        | 0        | 7        | 26    |
| 12 PM       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 13:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 14:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 15:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 16:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 17:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 18:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 19:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 20:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 21:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 22:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| 23:00       | *       | *       | *       | *       | *       | *       | *       | *       | *       | *        | *        | *        | *        | *        | *     |
| Total       | 2       | 82      | 25      | 0       | 7       | 0       | 0       | 1       | 0       | 0        | 0        | 0        | 0        | 37       | 154   |
| Percent     | 1.3%    | 53.2%   | 16.2%   | 0.0%    | 4.5%    | 0.0%    | 0.0%    | 0.6%    | 0.0%    | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 24.0%    |       |
| AM Peak     | 06:00   | 10:00   | 10:00   |         | 06:00   |         |         | 11:00   |         |          |          |          |          | 08:00    | 10:00 |
| Vol.        | 1       | 17      | 9       |         | 2       |         |         | 1       |         |          |          |          |          | 8        | 34    |
| PM Peak     |         |         |         |         |         |         |         |         |         |          |          |          |          |          |       |
| Vol.        |         |         |         |         |         |         |         |         |         |          |          |          |          |          |       |
| Grand Total | 4       | 317     | 84      | 0       | 24      | 0       | 0       | 1       | 0       | 0        | 0        | 0        | 0        | 135      | 565   |
| Percent     | 0.7%    | 56.1%   | 14.9%   | 0.0%    | 4.2%    | 0.0%    | 0.0%    | 0.2%    | 0.0%    | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 23.9%    |       |

Bougey St  
Between Veterans De & High St  
Speed

Site Code: 000000000000  
Station ID:

Latitude: 0' 0.0000 South

A to B

| Start<br>Time   | 0<br>15    | 16<br>20    | 21<br>25    | 26<br>30   | 31<br>35 | 36<br>40 | 41<br>45 | 46<br>50 | 51<br>55 | 56<br>60 | 61<br>65 | 66<br>70 | 71<br>75 | 76<br>9999 | Total       | Pace<br>Speed | Number<br>in Pace |
|-----------------|------------|-------------|-------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|-------------|---------------|-------------------|
| 08/23/17        | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 01:00           | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 02:00           | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 03:00           | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 04:00           | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 05:00           | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 06:00           | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 07:00           | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 08:00           | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 09:00           | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 10:00           | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 11:00           | *          | *           | *           | *          | *        | *        | *        | *        | *        | *        | *        | *        | *        | *          | *           | *             | *                 |
| 12 PM           | 1          | 7           | 5           | 0          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 13          | 16-25         | 12                |
| 13:00           | 1          | 4           | 9           | 2          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 16          | 16-25         | 13                |
| 14:00           | 1          | 12          | 7           | 2          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 22          | 16-25         | 19                |
| 15:00           | 1          | <b>13</b>   | <b>13</b>   | <b>7</b>   | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | <b>34</b>   | 16-25         | 26                |
| 16:00           | 0          | 4           | 8           | 1          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 13          | 16-25         | 12                |
| 17:00           | 1          | 3           | 11          | 1          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 16          | 16-25         | 14                |
| 18:00           | 0          | 4           | 7           | 2          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 13          | 16-25         | 11                |
| 19:00           | 0          | 2           | 10          | 1          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 13          | 16-25         | 12                |
| 20:00           | 1          | 6           | 6           | 0          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 13          | 16-25         | 12                |
| 21:00           | <b>2</b>   | 2           | 2           | 0          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 6           | 16-25         | 4                 |
| 22:00           | 0          | 0           | 1           | 1          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 2           | 19-28         | 2                 |
| 23:00           | 0          | 1           | 1           | 0          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 2           | 14-23         | 2                 |
| Total           | 8          | 58          | 80          | 17         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0          | 163         |               |                   |
| Percent         | 4.9%       | 35.6%       | 49.1%       | 10.4%      | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 0.0%     | 0.0%       |             |               |                   |
| AM Peak<br>Vol. |            |             |             |            |          |          |          |          |          |          |          |          |          |            |             |               |                   |
| PM Peak<br>Vol. | 21:00<br>2 | 15:00<br>13 | 15:00<br>13 | 15:00<br>7 |          |          |          |          |          |          |          |          |          |            | 15:00<br>34 |               |                   |





Bougey St  
Between Veterans De & High St  
Speed

Site Code: 000000000000  
Station ID:

Latitude: 0' 0.0000 South

B to A

| Start Time   | 0     | 16    | 21    | 26    | 31    | 36    | 41   | 46   | 51   | 56   | 61   | 66   | 71   | 76   | Total | Pace Speed | Number in Pace |
|--------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|-------|------------|----------------|
| 08/23/17     | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 01:00        | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 02:00        | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 03:00        | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 04:00        | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 05:00        | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 06:00        | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 07:00        | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 08:00        | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 09:00        | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 10:00        | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 11:00        | *     | *     | *     | *     | *     | *     | *    | *    | *    | *    | *    | *    | *    | *    | *     | *          | *              |
| 12 PM        | 0     | 4     | 9     | 11    | 0     | 1     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 25    | 21-30      | 20             |
| 13:00        | 0     | 3     | 14    | 6     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 23    | 21-30      | 20             |
| 14:00        | 1     | 6     | 15    | 5     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 27    | 16-25      | 21             |
| 15:00        | 0     | 8     | 14    | 11    | 1     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 34    | 21-30      | 25             |
| 16:00        | 1     | 2     | 8     | 11    | 1     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 23    | 21-30      | 19             |
| 17:00        | 0     | 3     | 16    | 13    | 4     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 36    | 21-30      | 29             |
| 18:00        | 0     | 3     | 9     | 5     | 1     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 18    | 20-29      | 14             |
| 19:00        | 0     | 2     | 8     | 9     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 19    | 21-30      | 17             |
| 20:00        | 1     | 0     | 10    | 6     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 17    | 21-30      | 16             |
| 21:00        | 1     | 2     | 7     | 5     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 15    | 21-30      | 12             |
| 22:00        | 0     | 1     | 3     | 4     | 1     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 9     | 21-30      | 7              |
| 23:00        | 0     | 0     | 0     | 2     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2     | 20-29      | 2              |
| Total        | 4     | 34    | 113   | 88    | 8     | 1     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 248   |            |                |
| Percent      | 1.6%  | 13.7% | 45.6% | 35.5% | 3.2%  | 0.4%  | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |       |            |                |
| AM Peak Vol. |       |       |       |       |       |       |      |      |      |      |      |      |      |      |       |            |                |
| PM Peak Vol. | 14:00 | 15:00 | 17:00 | 17:00 | 17:00 | 12:00 |      |      |      |      |      |      |      |      | 17:00 |            |                |
|              | 1     | 8     | 16    | 13    | 4     | 1     |      |      |      |      |      |      |      |      | 36    |            |                |



Bougey St  
Between Veterans De & High St  
Speed

Site Code: 00000000000  
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

| Start<br>Time   | 0          | 16          | 21          | 26          | 31         | 36         | 41   | 46   | 51   | 56   | 61   | 66   | 71   | 76   | Total       | Pace<br>Speed | Number<br>in Pace |
|-----------------|------------|-------------|-------------|-------------|------------|------------|------|------|------|------|------|------|------|------|-------------|---------------|-------------------|
| 08/23/17        | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 01:00           | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 02:00           | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 03:00           | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 04:00           | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 05:00           | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 06:00           | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 07:00           | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 08:00           | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 09:00           | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 10:00           | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 11:00           | *          | *           | *           | *           | *          | *          | *    | *    | *    | *    | *    | *    | *    | *    | *           | *             | *                 |
| 12 PM           | 1          | 11          | 14          | 11          | 0          | 1          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 38          | 21-30         | 25                |
| 13:00           | 1          | 7           | 23          | 8           | 0          | 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 39          | 21-30         | 31                |
| 14:00           | 2          | 18          | 22          | 7           | 0          | 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 49          | 16-25         | 40                |
| 15:00           | 1          | 21          | 27          | 18          | 1          | 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 68          | 16-25         | 48                |
| 16:00           | 1          | 6           | 16          | 12          | 1          | 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 36          | 21-30         | 28                |
| 17:00           | 1          | 6           | 27          | 14          | 4          | 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 52          | 21-30         | 41                |
| 18:00           | 0          | 7           | 16          | 7           | 1          | 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 31          | 16-25         | 23                |
| 19:00           | 0          | 4           | 18          | 10          | 0          | 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 32          | 21-30         | 28                |
| 20:00           | 2          | 6           | 16          | 6           | 0          | 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 30          | 21-30         | 22                |
| 21:00           | 3          | 4           | 9           | 5           | 0          | 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 21          | 21-30         | 14                |
| 22:00           | 0          | 1           | 4           | 5           | 1          | 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 11          | 21-30         | 9                 |
| 23:00           | 0          | 1           | 1           | 2           | 0          | 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 4           | 19-28         | 3                 |
| Total           | 12         | 92          | 193         | 105         | 8          | 1          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 411         |               |                   |
| Percent         | 2.9%       | 22.4%       | 47.0%       | 25.5%       | 1.9%       | 0.2%       | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |             |               |                   |
| AM Peak<br>Vol. |            |             |             |             |            |            |      |      |      |      |      |      |      |      |             |               |                   |
| PM Peak<br>Vol. | 21:00<br>3 | 15:00<br>21 | 15:00<br>27 | 15:00<br>18 | 17:00<br>4 | 12:00<br>1 |      |      |      |      |      |      |      |      | 15:00<br>68 |               |                   |



Bouhey St  
Between Veterans Dr & High St  
Speed

Site Code: 00000000000  
Station ID:

Latitude: 0' 0.0000 South

| Start Time | 21-Aug-17<br>Mon | 22-Aug-17<br>Tue | 23-Aug-17<br>Wed | 24-Aug-17<br>Thu | 25-Aug-17<br>Fri | Weekday<br>Average | 26-Aug-17<br>Sat | 27-Aug-17<br>Sun |
|------------|------------------|------------------|------------------|------------------|------------------|--------------------|------------------|------------------|
| 12:00 AM   | *                | *                | *                | 3                | *                | 3                  | *                | *                |
| 01:00      | *                | *                | *                | 1                | *                | 1                  | *                | *                |
| 02:00      | *                | *                | *                | 0                | *                | 0                  | *                | *                |
| 03:00      | *                | *                | *                | 0                | *                | 0                  | *                | *                |
| 04:00      | *                | *                | *                | 5                | *                | 5                  | *                | *                |
| 05:00      | *                | *                | *                | 5                | *                | 5                  | *                | *                |
| 06:00      | *                | *                | *                | 10               | *                | 10                 | *                | *                |
| 07:00      | *                | *                | *                | 22               | *                | 22                 | *                | *                |
| 08:00      | *                | *                | *                | 23               | *                | 23                 | *                | *                |
| 09:00      | *                | *                | *                | 25               | *                | 25                 | *                | *                |
| 10:00      | *                | *                | *                | 34               | *                | 34                 | *                | *                |
| 11:00      | *                | *                | *                | 26               | *                | 26                 | *                | *                |
| 12:00 PM   | *                | *                | 38               | *                | *                | 38                 | *                | *                |
| 01:00      | *                | *                | 39               | *                | *                | 39                 | *                | *                |
| 02:00      | *                | *                | 49               | *                | *                | 49                 | *                | *                |
| 03:00      | *                | *                | 68               | *                | *                | 68                 | *                | *                |
| 04:00      | *                | *                | 36               | *                | *                | 36                 | *                | *                |
| 05:00      | *                | *                | 52               | *                | *                | 52                 | *                | *                |
| 06:00      | *                | *                | 31               | *                | *                | 31                 | *                | *                |
| 07:00      | *                | *                | 32               | *                | *                | 32                 | *                | *                |
| 08:00      | *                | *                | 30               | *                | *                | 30                 | *                | *                |
| 09:00      | *                | *                | 21               | *                | *                | 21                 | *                | *                |
| 10:00      | *                | *                | 11               | *                | *                | 11                 | *                | *                |
| 11:00      | *                | *                | 4                | *                | *                | 4                  | *                | *                |
| Total      | 0                | 0                | 411              | 154              | 0                |                    | 0                | 0                |
| Percentage | 0.0%             | 0.0%             | 72.7%            | 27.3%            | 0.0%             |                    | 0.0%             | 0.0%             |
| AM Peak    | -                | -                | -                | 10:00            | -                | -                  | -                | -                |
| Vol.       | -                | -                | -                | 34               | -                | -                  | -                | -                |
| PM Peak    | -                | -                | 15:00            | -                | -                | -                  | -                | -                |
| Vol.       | -                | -                | 68               | -                | -                | -                  | -                | -                |
| Total      |                  | 0                | 411              |                  |                  |                    |                  |                  |