



11220 Assett Loop
Suite 202,
Manassas, VA 20109
703-365-9262
WellsandAssociates.com

TO: Cindy Petkac
Town of Vienna

FROM: William F. Johnson, P.E.
Brian J. Horan, P.E.

RE: 444 Maple Avenue – Neighborhood Traffic Assessment

DATE: June 22, 2018

The purpose of this memorandum is to address concerns raised by local citizens and the Town of Vienna related to the possibility of additional cut-through traffic to local streets with the approval of the 444 Maple Avenue project. Specifically, a concern was raised that additional traffic would cause a degradation to the levels of service (“LOS”) of the Maple Avenue/Nutley Street signalized intersection. This increase in delay at the intersection would encourage people to “cut-through” the neighboring side streets in order to avoid the delay at this signalized intersection. Wells+Associates (“W+A”) conducted traffic counts on the surrounding local roadways to determine the extent of traffic volumes that currently exist. This data was used, in conjunction with the guidelines provided in the Town of Vienna’s *Guide to Traffic Calming* (the “Guide”), to give context to the possibility of cut-through traffic. The following details the data collection and the assessment undertaken.

W+A conducted mechanical traffic counts along the side streets surrounding the subject site. Counts were conducted for three (3) days between Tuesday April 17, 2018 and Thursday April 19, 2018 across the following roadways:

- Wade Hampton Drive SW
- Glen Avenue SW
- Roland Street SW

Figure 1 shows the location of the traffic counters on the above streets. The counters were placed to capture existing traffic volumes currently accessing roadways which could potentially be used as a route to avoid the Maple Avenue/Nutley Street intersection. Table 1 summarizes the data collection and the raw count data is provided as Attachment I.

MEMORANDUM

The Town of Vienna's *The Citizen's Guide to Traffic Calming in Vienna* (2002) was consulted to determine the recommended volume threshold with which traffic calming measures should be instituted. The Guide recommends that,

"The minimum street volume for physical traffic calming measures to be considered shall be 500 vehicles per day (total volume)."

The Guide recommends restrictive entrance signage to dissuade cut-through traffic and provides the following guidance,

"Cut-through Traffic: Restrictive entrance signs may be considered when cut-through traffic is 40% or more of the one-hour single direction volume and a minimum of 150 cut-through trips occur in one hour in one direction (for roadways carrying up to 6,000 vehicles per day). For roadways with over 6,000 vehicles per day the threshold shall be 30% or more of the one-hour single direction volume."

As shown on Table 1, the neighborhood roadways are well below the 6,000 vehicle per day threshold and therefore should be evaluated to determine if "a minimum of 150 cut-through trips occur in one hour in one direction".

As shown on Table 1, the two roads that make up the primary "cut-through" route to/from Maple Avenue and Nutley Street would not meet the 500 vehicle per day threshold for traffic calming consideration. The highest peak hour single direction volume of any of the neighborhood streets was 35 vehicles along Glen Avenue. This is well below the 150 trip threshold to consider any cut-through traffic calming measures. As the current data collection shows the existing neighborhood streets fall well below the thresholds for traffic calming.

According to the 444 Maple Avenue Multi-Modal Transportation Impact Analysis (TIA) dated December 6, 2017 and revised February 16, 2018 prepared by W+A, the proposed 444 Maple Avenue development would generate the following weekday peak hour trips:

- 125 AM Peak Hour Trips (37 In/88 Out)
- 133 PM Peak Hour Trips (80 In/53 Out)

In the extremely unlikely scenario that all site trips generated by the subject development would utilize the surrounding neighborhood streets, the threshold for restrictive entrance signage would not be exceeded since in no peak hour are site trips forecasted to exceed 150 trips per direction.

We trust that the assessment provided in this memorandum address the concerns related to the potential of cut-through traffic generated by the subject development. If you have any questions or require additional information, please contact Will Johnson at 703.365.9262 or wfjohnson@wellsandassociates.com.



Figure 1
Mechanical Count Locations

444 Maple
Town of Vienna



Table 1
 444 Maple Avenue
 Neighborhood Traffic Summary

	AM Peak Hour			PM Peak Hour			Weekday Average Daily Trips
	Inbound	Outbound	Total	Inbound	Outbound	Total	
<u>Observed Traffic Volumes</u> ⁽¹⁾							
Wade Hampton Drive	11	26	37	20	32	52	460
Glen Avenue	20	17	37	35	30	65	544
Roland Street	17	10	27	12	22	34	447

Note(s):

(1) Counts conducted April 17 through April 19, 2018. Summary represents average of three days of counts.

WELLS + ASSOCIATES

MEMORANDUM

Attachment 1

Neighborhood Trip Generation and Count Data

Transportation Consultants

INNOVATION + SOLUTIONS

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Vienna
Street: Roland street SW

A study of vehicle traffic was conducted with the device having serial number 400589. The study was done in the NB 589 lane at Roland street SW in Vienna, VA in Loudoun County county. The study began on 17/04/2018 at 04:00 AM and concluded on 20/04/2018 at 04:00 AM, lasting a total of 72.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 650 vehicles passed through the location with a peak volume of 10 on 17/04/2018 at [09:30-09:45] and a minimum volume of 0 on 17/04/2018 at [14:30-14:45]. The AADT count for this study was 217.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 20 - 25 MPH range or lower. The average speed for all classified vehicles was 24 MPH with 40.34% vehicles exceeding the posted speed of 25 MPH. 1.24% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 20MPH and the 85th percentile was 29.88 MPH.

< to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >					
54	21	97	214	167	53	17	10	3	3	1	1	0	2	4					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin.

Most of the vehicles classified during the study were Vans & Pickups. The number of Passenger Vehicles in the study was 256 which represents 40 percent of the total classified vehicles. The number of Vans & Pickups in the study was 296 which represents 46 percent of the total classified vehicles. The number of Busses & Trucks in the study was 59 which represents 9 percent of the total classified vehicles. The number of Tractor Trailers in the study was 36 which represents 6 percent of the total classified vehicles.

< to 17	18 to 20	21 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to >												
256	195	101	42	17	13	8	15												

CHART 2

HEADWAY

During the peak traffic period, on 17/04/2018 at [09:30-09:45] the average headway between vehicles was 81.818 seconds. During the slowest traffic period, on 17/04/2018 at [14:30-14:45] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 32.00 and 32.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Roland street SW		Lane: NB 589		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 650	
County: Loudoun County		AADT Factor: 1		AADT Count: 217	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue,17/04/2018					
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	1	18 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	0	0 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	1	18 MPH	32 F	---	
[06:30-06:45]	2	8 MPH	32 F	---	
[06:45-07:00]	1	18 MPH	32 F	---	
[07:00-07:15]	4	27 MPH	32 F	---	
[07:15-07:30]	4	26 MPH	32 F	---	
[07:30-07:45]	5	23 MPH	32 F	---	
[07:45-08:00]	2	25 MPH	32 F	---	
[08:00-08:15]	6	23 MPH	32 F	---	
[08:15-08:30]	3	17 MPH	32 F	---	
[08:30-08:45]	6	26 MPH	32 F	---	
[08:45-09:00]	6	23 MPH	32 F	---	
[09:00-09:15]	7	27 MPH	32 F	---	
[09:15-09:30]	2	23 MPH	32 F	---	
[09:30-09:45]	10	25 MPH	32 F	---	
[09:45-10:00]	3	29 MPH	32 F	---	
[10:00-10:15]	4	32 MPH	32 F	---	
[10:15-10:30]	5	31 MPH	32 F	---	
[10:30-10:45]	4	25 MPH	32 F	---	
[10:45-11:00]	7	23 MPH	32 F	---	
[11:00-11:15]	3	26 MPH	32 F	---	
[11:15-11:30]	1	28 MPH	32 F	---	
[11:30-11:45]	3	25 MPH	32 F	---	
[11:45-12:00]	3	26 MPH	32 F	---	
[12:00-12:15]	2	33 MPH	32 F	---	
[12:15-12:30]	1	22 MPH	32 F	---	
[12:30-12:45]	4	30 MPH	32 F	---	
[12:45-13:00]	3	26 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID:400589		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Roland street SW		Lane: NB 589		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 650	
County: Loudoun County		AADT Factor: 1		AADT Count: 217	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue,17/04/2018					
[13:00-13:15]	3	26 MPH	32 F	---	
[13:15-13:30]	2	25 MPH	32 F	---	
[13:30-13:45]	6	27 MPH	32 F	---	
[13:45-14:00]	7	22 MPH	32 F	---	
[14:00-14:15]	3	29 MPH	32 F	---	
[14:15-14:30]	3	21 MPH	32 F	---	
[14:30-14:45]	0	0 MPH	32 F	---	
[14:45-15:00]	4	26 MPH	32 F	---	
[15:00-15:15]	4	26 MPH	32 F	---	
[15:15-15:30]	3	33 MPH	32 F	---	
[15:30-15:45]	0	0 MPH	32 F	---	
[15:45-16:00]	6	26 MPH	32 F	---	
[16:00-16:15]	1	22 MPH	32 F	---	
[16:15-16:30]	7	21 MPH	32 F	---	
[16:30-16:45]	3	26 MPH	32 F	---	
[16:45-17:00]	2	23 MPH	32 F	---	
[17:00-17:15]	4	19 MPH	32 F	---	
[17:15-17:30]	2	23 MPH	32 F	---	
[17:30-17:45]	3	27 MPH	32 F	---	
[17:45-18:00]	2	27 MPH	32 F	---	
[18:00-18:15]	3	31 MPH	32 F	---	
[18:15-18:30]	2	23 MPH	32 F	---	
[18:30-18:45]	7	28 MPH	32 F	---	
[18:45-19:00]	4	22 MPH	32 F	---	
[19:00-19:15]	4	24 MPH	32 F	---	
[19:15-19:30]	4	30 MPH	32 F	---	
[19:30-19:45]	5	16 MPH	32 F	---	
[19:45-20:00]	7	22 MPH	32 F	---	
[20:00-20:15]	2	13 MPH	32 F	---	
[20:15-20:30]	2	11 MPH	32 F	---	
[20:30-20:45]	0	0 MPH	32 F	---	
[20:45-21:00]	1	22 MPH	32 F	---	
[21:00-21:15]	2	15 MPH	32 F	---	
[21:15-21:30]	1	28 MPH	32 F	---	
[21:30-21:45]	0	0 MPH	32 F	---	
[21:45-22:00]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589 Street: Roland street SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 589 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 650 AADT Count: 217	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue,17/04/2018					
[22:00-22:15]	2	13 MPH	32 F	---	
[22:15-22:30]	2	25 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	1	22 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Tue,17/04/2018	217	24 MPH	32 F		
Wed,18/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	1	22 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	1	4 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	1	28 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	2	25 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589 Street: Roland street SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 589 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 650 AADT Count: 217	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[06:30-06:45]	1	32 MPH	32 F	---	
[06:45-07:00]	1	18 MPH	32 F	---	
[07:00-07:15]	2	13 MPH	32 F	---	
[07:15-07:30]	5	22 MPH	32 F	---	
[07:30-07:45]	2	23 MPH	32 F	---	
[07:45-08:00]	6	26 MPH	32 F	---	
[08:00-08:15]	2	25 MPH	32 F	---	
[08:15-08:30]	3	24 MPH	32 F	---	
[08:30-08:45]	10	26 MPH	32 F	---	
[08:45-09:00]	9	23 MPH	32 F	---	
[09:00-09:15]	4	26 MPH	32 F	---	
[09:15-09:30]	7	32 MPH	32 F	---	
[09:30-09:45]	7	25 MPH	32 F	---	
[09:45-10:00]	3	31 MPH	32 F	---	
[10:00-10:15]	7	25 MPH	32 F	---	
[10:15-10:30]	4	24 MPH	32 F	---	
[10:30-10:45]	2	25 MPH	32 F	---	
[10:45-11:00]	5	20 MPH	32 F	---	
[11:00-11:15]	3	15 MPH	32 F	---	
[11:15-11:30]	2	25 MPH	32 F	---	
[11:30-11:45]	4	29 MPH	32 F	---	
[11:45-12:00]	2	23 MPH	32 F	---	
[12:00-12:15]	2	23 MPH	32 F	---	
[12:15-12:30]	1	22 MPH	32 F	---	
[12:30-12:45]	1	28 MPH	32 F	---	
[12:45-13:00]	1	28 MPH	32 F	---	
[13:00-13:15]	3	17 MPH	32 F	---	
[13:15-13:30]	1	28 MPH	32 F	---	
[13:30-13:45]	3	21 MPH	32 F	---	
[13:45-14:00]	1	38 MPH	32 F	---	
[14:00-14:15]	3	23 MPH	32 F	---	
[14:15-14:30]	2	23 MPH	32 F	---	
[14:30-14:45]	4	27 MPH	32 F	---	
[14:45-15:00]	1	22 MPH	32 F	---	
[15:00-15:15]	2	27 MPH	32 F	---	
[15:15-15:30]	4	25 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589 Street: Roland street SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 589 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 650 AADT Count: 217	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[15:30-15:45]	5	16 MPH	32 F	---	
[15:45-16:00]	2	20 MPH	32 F	---	
[16:00-16:15]	6	16 MPH	32 F	---	
[16:15-16:30]	5	23 MPH	32 F	---	
[16:30-16:45]	5	24 MPH	32 F	---	
[16:45-17:00]	3	23 MPH	32 F	---	
[17:00-17:15]	4	18 MPH	32 F	---	
[17:15-17:30]	1	28 MPH	32 F	---	
[17:30-17:45]	1	22 MPH	32 F	---	
[17:45-18:00]	5	22 MPH	32 F	---	
[18:00-18:15]	3	21 MPH	32 F	---	
[18:15-18:30]	4	25 MPH	32 F	---	
[18:30-18:45]	3	21 MPH	32 F	---	
[18:45-19:00]	4	27 MPH	32 F	---	
[19:00-19:15]	3	17 MPH	32 F	---	
[19:15-19:30]	1	12 MPH	32 F	---	
[19:30-19:45]	1	22 MPH	32 F	---	
[19:45-20:00]	3	21 MPH	32 F	---	
[20:00-20:15]	4	20 MPH	32 F	---	
[20:15-20:30]	1	22 MPH	32 F	---	
[20:30-20:45]	2	20 MPH	32 F	---	
[20:45-21:00]	1	28 MPH	32 F	---	
[21:00-21:15]	1	28 MPH	32 F	---	
[21:15-21:30]	0	0 MPH	32 F	---	
[21:30-21:45]	1	28 MPH	32 F	---	
[21:45-22:00]	1	22 MPH	32 F	---	
[22:00-22:15]	1	22 MPH	32 F	---	
[22:15-22:30]	0	0 MPH	32 F	---	
[22:30-22:45]	1	22 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	1	18 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Wed,18/04/2018	198	23 MPH	32 F		

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Roland street SW		Lane: NB 589		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 650	
County: Loudoun County		AADT Factor: 1		AADT Count: 217	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu, 19/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	1	18 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	1	4 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	1	28 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	1	22 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	1	22 MPH	32 F	---	
[06:30-06:45]	0	0 MPH	32 F	---	
[06:45-07:00]	1	18 MPH	32 F	---	
[07:00-07:15]	5	18 MPH	32 F	---	
[07:15-07:30]	5	18 MPH	32 F	---	
[07:30-07:45]	6	25 MPH	32 F	---	
[07:45-08:00]	6	21 MPH	32 F	---	
[08:00-08:15]	2	30 MPH	32 F	---	
[08:15-08:30]	1	22 MPH	32 F	---	
[08:30-08:45]	4	25 MPH	32 F	---	
[08:45-09:00]	10	23 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Roland street SW		Lane: NB 589		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 650	
County: Loudoun County		AADT Factor: 1		AADT Count: 217	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[09:00-09:15]	6	19 MPH	32 F	---	
[09:15-09:30]	7	23 MPH	32 F	---	
[09:30-09:45]	4	25 MPH	32 F	---	
[09:45-10:00]	5	26 MPH	32 F	---	
[10:00-10:15]	4	17 MPH	32 F	---	
[10:15-10:30]	6	25 MPH	32 F	---	
[10:30-10:45]	5	24 MPH	32 F	---	
[10:45-11:00]	6	23 MPH	32 F	---	
[11:00-11:15]	6	20 MPH	32 F	---	
[11:15-11:30]	4	22 MPH	32 F	---	
[11:30-11:45]	1	28 MPH	32 F	---	
[11:45-12:00]	5	10 MPH	32 F	---	
[12:00-12:15]	0	0 MPH	32 F	---	
[12:15-12:30]	5	26 MPH	32 F	---	
[12:30-12:45]	5	27 MPH	32 F	---	
[12:45-13:00]	3	26 MPH	32 F	---	
[13:00-13:15]	5	26 MPH	32 F	---	
[13:15-13:30]	4	29 MPH	32 F	---	
[13:30-13:45]	2	23 MPH	32 F	---	
[13:45-14:00]	3	26 MPH	32 F	---	
[14:00-14:15]	3	27 MPH	32 F	---	
[14:15-14:30]	1	28 MPH	32 F	---	
[14:30-14:45]	5	22 MPH	32 F	---	
[14:45-15:00]	1	22 MPH	32 F	---	
[15:00-15:15]	4	26 MPH	32 F	---	
[15:15-15:30]	4	24 MPH	32 F	---	
[15:30-15:45]	5	30 MPH	32 F	---	
[15:45-16:00]	3	24 MPH	32 F	---	
[16:00-16:15]	3	26 MPH	32 F	---	
[16:15-16:30]	1	18 MPH	32 F	---	
[16:30-16:45]	3	48 MPH	32 F	---	
[16:45-17:00]	4	18 MPH	32 F	---	
[17:00-17:15]	6	25 MPH	32 F	---	
[17:15-17:30]	1	38 MPH	32 F	---	
[17:30-17:45]	8	23 MPH	32 F	---	
[17:45-18:00]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589 Street: Roland street SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 589 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 650 AADT Count: 217	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[18:00-18:15]	2	11 MPH	32 F	---	
[18:15-18:30]	5	33 MPH	32 F	---	
[18:30-18:45]	5	35 MPH	32 F	---	
[18:45-19:00]	5	18 MPH	32 F	---	
[19:00-19:15]	5	18 MPH	32 F	---	
[19:15-19:30]	3	17 MPH	32 F	---	
[19:30-19:45]	6	23 MPH	32 F	---	
[19:45-20:00]	4	21 MPH	32 F	---	
[20:00-20:15]	0	0 MPH	32 F	---	
[20:15-20:30]	2	8 MPH	32 F	---	
[20:30-20:45]	4	18 MPH	32 F	---	
[20:45-21:00]	0	0 MPH	32 F	---	
[21:00-21:15]	3	23 MPH	32 F	---	
[21:15-21:30]	1	18 MPH	32 F	---	
[21:30-21:45]	1	4 MPH	32 F	---	
[21:45-22:00]	0	0 MPH	32 F	---	
[22:00-22:15]	0	0 MPH	32 F	---	
[22:15-22:30]	2	55 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	2	17 MPH	32 F	---	
[23:15-23:30]	1	22 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Thu,19/04/2018	234	23 MPH	32 F		
Fri,20/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Roland street SW		Lane: NB 589		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 650	
County: Loudoun County		AADT Factor: 1		AADT Count: 217	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Fri,20/04/2018					
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	1	4 MPH	32 F	---	
Fri,20/04/2018	1	4 MPH	32 F		
17/04/2018 04:00 AM					
20/04/2018 04:00 AM	650	24 MPH	32 F		

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Vienna
Street: Roland Street SW

A study of vehicle traffic was conducted with the device having serial number 401212. The study was done in the SB 1212 lane at Roland Street SW in Vienna, VA in Loudoun County county. The study began on 17/04/2018 at 04:00 AM and concluded on 20/04/2018 at 04:00 AM, lasting a total of 72.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 690 vehicles passed through the location with a peak volume of 12 on 18/04/2018 at [18:45-19:00] and a minimum volume of 0 on 17/04/2018 at [20:45-21:00]. The AADT count for this study was 230.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 15 - 20 MPH range or lower. The average speed for all classified vehicles was 20 MPH with 10.30% vehicles exceeding the posted speed of 25 MPH. 0.73% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 15MPH and the 85th percentile was 24.38 MPH.

< to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >					
29	27	296	266	43	15	5	1	1	1	2	0	1	1	1					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin.

Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 326 which represents 47 percent of the total classified vehicles. The number of Vans & Pickups in the study was 281 which represents 41 percent of the total classified vehicles. The number of Busses & Trucks in the study was 62 which represents 9 percent of the total classified vehicles. The number of Tractor Trailers in the study was 20 which represents 3 percent of the total classified vehicles.

< to 17	18 to 20	21 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to >												
326	192	89	46	16	8	6	6												

CHART 2

HEADWAY

During the peak traffic period, on 18/04/2018 at [18:45-19:00] the average headway between vehicles was 69.231 seconds. During the slowest traffic period, on 17/04/2018 at [20:45-21:00] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 32.00 and 32.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212 Street: Roland Street SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: SB 1212 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 690 AADT Count: 230	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue, 17/04/2018					
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	1	22 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	1	18 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	1	22 MPH	32 F	---	
[06:30-06:45]	3	23 MPH	32 F	---	
[06:45-07:00]	2	25 MPH	32 F	---	
[07:00-07:15]	2	20 MPH	32 F	---	
[07:15-07:30]	2	23 MPH	32 F	---	
[07:30-07:45]	2	23 MPH	32 F	---	
[07:45-08:00]	3	21 MPH	32 F	---	
[08:00-08:15]	2	18 MPH	32 F	---	
[08:15-08:30]	4	18 MPH	32 F	---	
[08:30-08:45]	5	18 MPH	32 F	---	
[08:45-09:00]	1	18 MPH	32 F	---	
[09:00-09:15]	0	0 MPH	32 F	---	
[09:15-09:30]	2	20 MPH	32 F	---	
[09:30-09:45]	3	24 MPH	32 F	---	
[09:45-10:00]	1	22 MPH	32 F	---	
[10:00-10:15]	8	20 MPH	32 F	---	
[10:15-10:30]	5	18 MPH	32 F	---	
[10:30-10:45]	2	25 MPH	32 F	---	
[10:45-11:00]	1	18 MPH	32 F	---	
[11:00-11:15]	4	23 MPH	32 F	---	
[11:15-11:30]	2	28 MPH	32 F	---	
[11:30-11:45]	3	24 MPH	32 F	---	
[11:45-12:00]	0	0 MPH	32 F	---	
[12:00-12:15]	1	22 MPH	32 F	---	
[12:15-12:30]	3	21 MPH	32 F	---	
[12:30-12:45]	3	19 MPH	32 F	---	
[12:45-13:00]	2	20 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID:401212		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Roland Street SW		Lane: SB 1212		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 690	
County: Loudoun County		AADT Factor: 1		AADT Count: 230	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue,17/04/2018					
[13:00-13:15]	7	16 MPH	32 F	---	
[13:15-13:30]	1	22 MPH	32 F	---	
[13:30-13:45]	7	24 MPH	32 F	---	
[13:45-14:00]	5	32 MPH	32 F	---	
[14:00-14:15]	7	20 MPH	32 F	---	
[14:15-14:30]	3	15 MPH	32 F	---	
[14:30-14:45]	4	20 MPH	32 F	---	
[14:45-15:00]	7	23 MPH	32 F	---	
[15:00-15:15]	11	18 MPH	32 F	---	
[15:15-15:30]	5	16 MPH	32 F	---	
[15:30-15:45]	3	19 MPH	32 F	---	
[15:45-16:00]	4	21 MPH	32 F	---	
[16:00-16:15]	10	22 MPH	32 F	---	
[16:15-16:30]	6	30 MPH	32 F	---	
[16:30-16:45]	6	21 MPH	32 F	---	
[16:45-17:00]	9	20 MPH	32 F	---	
[17:00-17:15]	9	21 MPH	32 F	---	
[17:15-17:30]	6	22 MPH	32 F	---	
[17:30-17:45]	5	18 MPH	32 F	---	
[17:45-18:00]	4	18 MPH	32 F	---	
[18:00-18:15]	5	30 MPH	32 F	---	
[18:15-18:30]	4	32 MPH	32 F	---	
[18:30-18:45]	3	19 MPH	32 F	---	
[18:45-19:00]	3	36 MPH	32 F	---	
[19:00-19:15]	2	20 MPH	32 F	---	
[19:15-19:30]	3	21 MPH	32 F	---	
[19:30-19:45]	4	22 MPH	32 F	---	
[19:45-20:00]	3	35 MPH	32 F	---	
[20:00-20:15]	2	18 MPH	32 F	---	
[20:15-20:30]	4	20 MPH	32 F	---	
[20:30-20:45]	4	16 MPH	32 F	---	
[20:45-21:00]	0	0 MPH	32 F	---	
[21:00-21:15]	2	18 MPH	32 F	---	
[21:15-21:30]	3	16 MPH	32 F	---	
[21:30-21:45]	0	0 MPH	32 F	---	
[21:45-22:00]	3	17 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212 Street: Roland Street SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: SB 1212 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 690 AADT Count: 230	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue,17/04/2018					
[22:00-22:15]	6	18 MPH	32 F	---	
[22:15-22:30]	0	0 MPH	32 F	---	
[22:30-22:45]	1	18 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	1	18 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	1	18 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Tue,17/04/2018	242	21 MPH	32 F		
Wed,18/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	1	18 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	1	22 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	0	0 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	0	0 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	2	20 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212 Street: Roland Street SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: SB 1212 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 690 AADT Count: 230	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[06:30-06:45]	0	0 MPH	32 F	---	
[06:45-07:00]	2	25 MPH	32 F	---	
[07:00-07:15]	4	23 MPH	32 F	---	
[07:15-07:30]	2	23 MPH	32 F	---	
[07:30-07:45]	3	24 MPH	32 F	---	
[07:45-08:00]	1	18 MPH	32 F	---	
[08:00-08:15]	3	19 MPH	32 F	---	
[08:15-08:30]	5	25 MPH	32 F	---	
[08:30-08:45]	1	18 MPH	32 F	---	
[08:45-09:00]	1	22 MPH	32 F	---	
[09:00-09:15]	4	16 MPH	32 F	---	
[09:15-09:30]	3	23 MPH	32 F	---	
[09:30-09:45]	2	25 MPH	32 F	---	
[09:45-10:00]	2	18 MPH	32 F	---	
[10:00-10:15]	3	23 MPH	32 F	---	
[10:15-10:30]	2	20 MPH	32 F	---	
[10:30-10:45]	3	19 MPH	32 F	---	
[10:45-11:00]	3	21 MPH	32 F	---	
[11:00-11:15]	2	20 MPH	32 F	---	
[11:15-11:30]	3	19 MPH	32 F	---	
[11:30-11:45]	3	21 MPH	32 F	---	
[11:45-12:00]	5	18 MPH	32 F	---	
[12:00-12:15]	3	19 MPH	32 F	---	
[12:15-12:30]	4	18 MPH	32 F	---	
[12:30-12:45]	2	20 MPH	32 F	---	
[12:45-13:00]	5	22 MPH	32 F	---	
[13:00-13:15]	3	24 MPH	32 F	---	
[13:15-13:30]	4	14 MPH	32 F	---	
[13:30-13:45]	3	17 MPH	32 F	---	
[13:45-14:00]	0	0 MPH	32 F	---	
[14:00-14:15]	6	22 MPH	32 F	---	
[14:15-14:30]	3	19 MPH	32 F	---	
[14:30-14:45]	8	20 MPH	32 F	---	
[14:45-15:00]	7	16 MPH	32 F	---	
[15:00-15:15]	2	23 MPH	32 F	---	
[15:15-15:30]	3	19 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID:401212		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street:Roland Street SW		Lane: SB 1212		Hours: 72.00	
State:VA		Operator: AH		Period: 15	
City:Vienna		Speed Limit: 25		Raw Count: 690	
County:Loudoun County		AADT Factor: 1		AADT Count: 230	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[15:30-15:45]	5	22 MPH	32 F	---	
[15:45-16:00]	2	20 MPH	32 F	---	
[16:00-16:15]	5	22 MPH	32 F	---	
[16:15-16:30]	3	21 MPH	32 F	---	
[16:30-16:45]	4	18 MPH	32 F	---	
[16:45-17:00]	9	16 MPH	32 F	---	
[17:00-17:15]	8	20 MPH	32 F	---	
[17:15-17:30]	3	19 MPH	32 F	---	
[17:30-17:45]	3	21 MPH	32 F	---	
[17:45-18:00]	9	20 MPH	32 F	---	
[18:00-18:15]	10	17 MPH	32 F	---	
[18:15-18:30]	3	23 MPH	32 F	---	
[18:30-18:45]	4	18 MPH	32 F	---	
[18:45-19:00]	12	21 MPH	32 F	---	
[19:00-19:15]	3	19 MPH	32 F	---	
[19:15-19:30]	4	20 MPH	32 F	---	
[19:30-19:45]	4	23 MPH	32 F	---	
[19:45-20:00]	9	21 MPH	32 F	---	
[20:00-20:15]	3	17 MPH	32 F	---	
[20:15-20:30]	2	20 MPH	32 F	---	
[20:30-20:45]	3	19 MPH	32 F	---	
[20:45-21:00]	3	21 MPH	32 F	---	
[21:00-21:15]	2	18 MPH	32 F	---	
[21:15-21:30]	0	0 MPH	32 F	---	
[21:30-21:45]	3	19 MPH	32 F	---	
[21:45-22:00]	0	0 MPH	32 F	---	
[22:00-22:15]	1	4 MPH	32 F	---	
[22:15-22:30]	2	23 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	1	22 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Wed,18/04/2018	234	20 MPH	32 F		

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212 Street: Roland Street SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: SB 1212 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 690 AADT Count: 230	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu, 19/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	1	22 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	0	0 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	1	18 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	2	20 MPH	32 F	---	
[06:30-06:45]	2	23 MPH	32 F	---	
[06:45-07:00]	0	0 MPH	32 F	---	
[07:00-07:15]	1	22 MPH	32 F	---	
[07:15-07:30]	0	0 MPH	32 F	---	
[07:30-07:45]	2	23 MPH	32 F	---	
[07:45-08:00]	4	18 MPH	32 F	---	
[08:00-08:15]	5	22 MPH	32 F	---	
[08:15-08:30]	5	19 MPH	32 F	---	
[08:30-08:45]	3	14 MPH	32 F	---	
[08:45-09:00]	4	24 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212 Street: Roland Street SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: SB 1212 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 690 AADT Count: 230	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[09:00-09:15]	2	13 MPH	32 F	---	
[09:15-09:30]	1	18 MPH	32 F	---	
[09:30-09:45]	3	27 MPH	32 F	---	
[09:45-10:00]	3	19 MPH	32 F	---	
[10:00-10:15]	3	11 MPH	32 F	---	
[10:15-10:30]	7	23 MPH	32 F	---	
[10:30-10:45]	1	18 MPH	32 F	---	
[10:45-11:00]	2	20 MPH	32 F	---	
[11:00-11:15]	7	19 MPH	32 F	---	
[11:15-11:30]	0	0 MPH	32 F	---	
[11:30-11:45]	2	23 MPH	32 F	---	
[11:45-12:00]	2	23 MPH	32 F	---	
[12:00-12:15]	3	17 MPH	32 F	---	
[12:15-12:30]	5	17 MPH	32 F	---	
[12:30-12:45]	3	19 MPH	32 F	---	
[12:45-13:00]	2	23 MPH	32 F	---	
[13:00-13:15]	5	20 MPH	32 F	---	
[13:15-13:30]	3	21 MPH	32 F	---	
[13:30-13:45]	1	18 MPH	32 F	---	
[13:45-14:00]	3	21 MPH	32 F	---	
[14:00-14:15]	5	20 MPH	32 F	---	
[14:15-14:30]	0	0 MPH	32 F	---	
[14:30-14:45]	6	18 MPH	32 F	---	
[14:45-15:00]	1	18 MPH	32 F	---	
[15:00-15:15]	7	21 MPH	32 F	---	
[15:15-15:30]	3	24 MPH	32 F	---	
[15:30-15:45]	6	18 MPH	32 F	---	
[15:45-16:00]	2	20 MPH	32 F	---	
[16:00-16:15]	5	20 MPH	32 F	---	
[16:15-16:30]	2	23 MPH	32 F	---	
[16:30-16:45]	7	18 MPH	32 F	---	
[16:45-17:00]	5	10 MPH	32 F	---	
[17:00-17:15]	8	18 MPH	32 F	---	
[17:15-17:30]	4	19 MPH	32 F	---	
[17:30-17:45]	4	19 MPH	32 F	---	
[17:45-18:00]	3	23 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212 Street: Roland Street SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: SB 1212 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 690 AADT Count: 230	
Date And Time Range		Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,19/04/2018					
[18:00-18:15]		6	19 MPH	32 F	---
[18:15-18:30]		4	19 MPH	32 F	---
[18:30-18:45]		6	19 MPH	32 F	---
[18:45-19:00]		3	19 MPH	32 F	---
[19:00-19:15]		3	23 MPH	32 F	---
[19:15-19:30]		3	15 MPH	32 F	---
[19:30-19:45]		2	25 MPH	32 F	---
[19:45-20:00]		2	20 MPH	32 F	---
[20:00-20:15]		4	16 MPH	32 F	---
[20:15-20:30]		1	48 MPH	32 F	---
[20:30-20:45]		1	12 MPH	32 F	---
[20:45-21:00]		1	22 MPH	32 F	---
[21:00-21:15]		4	22 MPH	32 F	---
[21:15-21:30]		2	20 MPH	32 F	---
[21:30-21:45]		2	23 MPH	32 F	---
[21:45-22:00]		0	0 MPH	32 F	---
[22:00-22:15]		1	32 MPH	32 F	---
[22:15-22:30]		7	19 MPH	32 F	---
[22:30-22:45]		2	18 MPH	32 F	---
[22:45-23:00]		1	18 MPH	32 F	---
[23:00-23:15]		1	22 MPH	32 F	---
[23:15-23:30]		1	28 MPH	32 F	---
[23:30-23:45]		0	0 MPH	32 F	---
[23:45-00:00]		0	0 MPH	32 F	---
Thu,19/04/2018		213	20 MPH	32 F	
Fri,20/04/2018					
[00:00-00:15]		0	0 MPH	32 F	---
[00:15-00:30]		0	0 MPH	32 F	---
[00:30-00:45]		1	18 MPH	32 F	---
[00:45-01:00]		0	0 MPH	32 F	---
[01:00-01:15]		0	0 MPH	32 F	---
[01:15-01:30]		0	0 MPH	32 F	---
[01:30-01:45]		0	0 MPH	32 F	---
[01:45-02:00]		0	0 MPH	32 F	---
[02:00-02:15]		0	0 MPH	32 F	---
[02:15-02:30]		0	0 MPH	32 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Roland Street SW		Lane: SB 1212		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 690	
County: Loudoun County		AADT Factor: 1		AADT Count: 230	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Fri, 20/04/2018					
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	0	0 MPH	32 F	---	
Fri, 20/04/2018	1	18 MPH	32 F		
17/04/2018 04:00 AM					
20/04/2018 04:00 AM	690	20 MPH	32 F		

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Vienna
Street: Glen Avenue SW

A study of vehicle traffic was conducted with the device having serial number 401202. The study was done in the NB 1202 lane at Glen Avenue SW in Vienna, VA in Loudoun County county. The study began on 17/04/2018 at 04:00 AM and concluded on 20/04/2018 at 04:00 AM, lasting a total of 72.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 810 vehicles passed through the location with a peak volume of 13 on 18/04/2018 at [16:30-16:45] and a minimum volume of 0 on 17/04/2018 at [22:15-22:30]. The AADT count for this study was 270.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 9 MPH range or lower. The average speed for all classified vehicles was 14 MPH with 6.63% vehicles exceeding the posted speed of 25 MPH. 2.00% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 9MPH and the 85th percentile was 19.96 MPH.

< to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >					
335	109	237	66	14	8	5	7	2	1	0	3	0	2	11					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin.

Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 528 which represents 66 percent of the total classified vehicles. The number of Vans & Pickups in the study was 214 which represents 27 percent of the total classified vehicles. The number of Busses & Trucks in the study was 33 which represents 4 percent of the total classified vehicles. The number of Tractor Trailers in the study was 25 which represents 3 percent of the total classified vehicles.

< to 17	18 to 20	21 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to >												
528	149	65	18	15	6	8	11												

CHART 2

HEADWAY

During the peak traffic period, on 18/04/2018 at [16:30-16:45] the average headway between vehicles was 64.286 seconds. During the slowest traffic period, on 17/04/2018 at [22:15-22:30] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 32.00 and 32.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 1202 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 810 AADT Count: 270	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue, 17/04/2018					
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	0	0 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	0	0 MPH	32 F	---	
[06:30-06:45]	0	0 MPH	32 F	---	
[06:45-07:00]	3	5 MPH	32 F	---	
[07:00-07:15]	3	17 MPH	32 F	---	
[07:15-07:30]	1	12 MPH	32 F	---	
[07:30-07:45]	4	29 MPH	32 F	---	
[07:45-08:00]	7	10 MPH	32 F	---	
[08:00-08:15]	5	16 MPH	32 F	---	
[08:15-08:30]	4	13 MPH	32 F	---	
[08:30-08:45]	3	40 MPH	32 F	---	
[08:45-09:00]	3	11 MPH	32 F	---	
[09:00-09:15]	6	8 MPH	32 F	---	
[09:15-09:30]	6	12 MPH	32 F	---	
[09:30-09:45]	4	21 MPH	32 F	---	
[09:45-10:00]	4	11 MPH	32 F	---	
[10:00-10:15]	7	21 MPH	32 F	---	
[10:15-10:30]	1	4 MPH	32 F	---	
[10:30-10:45]	5	13 MPH	32 F	---	
[10:45-11:00]	6	12 MPH	32 F	---	
[11:00-11:15]	2	11 MPH	32 F	---	
[11:15-11:30]	2	5 MPH	32 F	---	
[11:30-11:45]	1	4 MPH	32 F	---	
[11:45-12:00]	4	17 MPH	32 F	---	
[12:00-12:15]	3	9 MPH	32 F	---	
[12:15-12:30]	4	22 MPH	32 F	---	
[12:30-12:45]	2	18 MPH	32 F	---	
[12:45-13:00]	3	13 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 1202 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 810 AADT Count: 270	
Date And Time Range		Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Tue, 17/04/2018					
[13:00-13:15]		2	13 MPH	32 F	---
[13:15-13:30]		4	29 MPH	32 F	---
[13:30-13:45]		2	11 MPH	32 F	---
[13:45-14:00]		5	15 MPH	32 F	---
[14:00-14:15]		7	11 MPH	32 F	---
[14:15-14:30]		3	38 MPH	32 F	---
[14:30-14:45]		5	22 MPH	32 F	---
[14:45-15:00]		2	23 MPH	32 F	---
[15:00-15:15]		5	16 MPH	32 F	---
[15:15-15:30]		1	4 MPH	32 F	---
[15:30-15:45]		3	16 MPH	32 F	---
[15:45-16:00]		3	7 MPH	32 F	---
[16:00-16:15]		5	11 MPH	32 F	---
[16:15-16:30]		11	21 MPH	32 F	---
[16:30-16:45]		6	12 MPH	32 F	---
[16:45-17:00]		7	16 MPH	32 F	---
[17:00-17:15]		7	13 MPH	32 F	---
[17:15-17:30]		9	9 MPH	32 F	---
[17:30-17:45]		10	13 MPH	32 F	---
[17:45-18:00]		8	10 MPH	32 F	---
[18:00-18:15]		3	17 MPH	32 F	---
[18:15-18:30]		6	10 MPH	32 F	---
[18:30-18:45]		5	16 MPH	32 F	---
[18:45-19:00]		8	31 MPH	32 F	---
[19:00-19:15]		6	11 MPH	32 F	---
[19:15-19:30]		5	10 MPH	32 F	---
[19:30-19:45]		3	11 MPH	32 F	---
[19:45-20:00]		10	14 MPH	32 F	---
[20:00-20:15]		3	11 MPH	32 F	---
[20:15-20:30]		2	18 MPH	32 F	---
[20:30-20:45]		4	17 MPH	32 F	---
[20:45-21:00]		3	11 MPH	32 F	---
[21:00-21:15]		1	4 MPH	32 F	---
[21:15-21:30]		2	13 MPH	32 F	---
[21:30-21:45]		3	21 MPH	32 F	---
[21:45-22:00]		1	4 MPH	32 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 1202 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 810 AADT Count: 270	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue,17/04/2018					
[22:00-22:15]	6	21 MPH	32 F	---	
[22:15-22:30]	0	0 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	1	4 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	1	18 MPH	32 F	---	
Tue,17/04/2018	271	15 MPH	32 F		
Wed,18/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	2	18 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	1	18 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	0	0 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	1	28 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 1202 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 810 AADT Count: 270	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[06:30-06:45]	1	4 MPH	32 F	---	
[06:45-07:00]	3	13 MPH	32 F	---	
[07:00-07:15]	0	0 MPH	32 F	---	
[07:15-07:30]	1	18 MPH	32 F	---	
[07:30-07:45]	4	19 MPH	32 F	---	
[07:45-08:00]	8	18 MPH	32 F	---	
[08:00-08:15]	3	19 MPH	32 F	---	
[08:15-08:30]	6	15 MPH	32 F	---	
[08:30-08:45]	2	8 MPH	32 F	---	
[08:45-09:00]	2	15 MPH	32 F	---	
[09:00-09:15]	4	12 MPH	32 F	---	
[09:15-09:30]	5	21 MPH	32 F	---	
[09:30-09:45]	2	11 MPH	32 F	---	
[09:45-10:00]	2	11 MPH	32 F	---	
[10:00-10:15]	7	13 MPH	32 F	---	
[10:15-10:30]	2	20 MPH	32 F	---	
[10:30-10:45]	4	9 MPH	32 F	---	
[10:45-11:00]	4	23 MPH	32 F	---	
[11:00-11:15]	5	17 MPH	32 F	---	
[11:15-11:30]	1	4 MPH	32 F	---	
[11:30-11:45]	5	9 MPH	32 F	---	
[11:45-12:00]	7	6 MPH	32 F	---	
[12:00-12:15]	2	5 MPH	32 F	---	
[12:15-12:30]	0	0 MPH	32 F	---	
[12:30-12:45]	4	18 MPH	32 F	---	
[12:45-13:00]	7	11 MPH	32 F	---	
[13:00-13:15]	3	13 MPH	32 F	---	
[13:15-13:30]	10	21 MPH	32 F	---	
[13:30-13:45]	3	21 MPH	32 F	---	
[13:45-14:00]	1	4 MPH	32 F	---	
[14:00-14:15]	8	9 MPH	32 F	---	
[14:15-14:30]	2	11 MPH	32 F	---	
[14:30-14:45]	5	12 MPH	32 F	---	
[14:45-15:00]	5	9 MPH	32 F	---	
[15:00-15:15]	3	11 MPH	32 F	---	
[15:15-15:30]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID:401202 Street:Glen Avenue SW State:VA City:Vienna County:Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 1202 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 810 AADT Count: 270	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[15:30-15:45]	3	17 MPH	32 F	---	
[15:45-16:00]	3	16 MPH	32 F	---	
[16:00-16:15]	4	8 MPH	32 F	---	
[16:15-16:30]	5	16 MPH	32 F	---	
[16:30-16:45]	13	11 MPH	32 F	---	
[16:45-17:00]	13	11 MPH	32 F	---	
[17:00-17:15]	4	15 MPH	32 F	---	
[17:15-17:30]	12	5 MPH	32 F	---	
[17:30-17:45]	10	8 MPH	32 F	---	
[17:45-18:00]	4	12 MPH	32 F	---	
[18:00-18:15]	7	7 MPH	32 F	---	
[18:15-18:30]	6	14 MPH	32 F	---	
[18:30-18:45]	10	10 MPH	32 F	---	
[18:45-19:00]	10	8 MPH	32 F	---	
[19:00-19:15]	2	5 MPH	32 F	---	
[19:15-19:30]	6	12 MPH	32 F	---	
[19:30-19:45]	5	14 MPH	32 F	---	
[19:45-20:00]	3	11 MPH	32 F	---	
[20:00-20:15]	2	27 MPH	32 F	---	
[20:15-20:30]	0	0 MPH	32 F	---	
[20:30-20:45]	3	16 MPH	32 F	---	
[20:45-21:00]	2	11 MPH	32 F	---	
[21:00-21:15]	4	17 MPH	32 F	---	
[21:15-21:30]	0	0 MPH	32 F	---	
[21:30-21:45]	0	0 MPH	32 F	---	
[21:45-22:00]	4	13 MPH	32 F	---	
[22:00-22:15]	6	12 MPH	32 F	---	
[22:15-22:30]	1	12 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Wed,18/04/2018	277	12 MPH	32 F		

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 1202 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 810 AADT Count: 270	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[00:00-00:15]	1	4 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	0	0 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	1	4 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	0	0 MPH	32 F	---	
[06:30-06:45]	1	4 MPH	32 F	---	
[06:45-07:00]	1	12 MPH	32 F	---	
[07:00-07:15]	3	15 MPH	32 F	---	
[07:15-07:30]	2	18 MPH	32 F	---	
[07:30-07:45]	2	18 MPH	32 F	---	
[07:45-08:00]	10	12 MPH	32 F	---	
[08:00-08:15]	3	17 MPH	32 F	---	
[08:15-08:30]	4	43 MPH	32 F	---	
[08:30-08:45]	5	6 MPH	32 F	---	
[08:45-09:00]	4	18 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 1202 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 810 AADT Count: 270	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[09:00-09:15]	2	15 MPH	32 F	---	
[09:15-09:30]	4	8 MPH	32 F	---	
[09:30-09:45]	3	5 MPH	32 F	---	
[09:45-10:00]	6	17 MPH	32 F	---	
[10:00-10:15]	4	19 MPH	32 F	---	
[10:15-10:30]	3	11 MPH	32 F	---	
[10:30-10:45]	3	11 MPH	32 F	---	
[10:45-11:00]	5	16 MPH	32 F	---	
[11:00-11:15]	2	20 MPH	32 F	---	
[11:15-11:30]	3	8 MPH	32 F	---	
[11:30-11:45]	1	18 MPH	32 F	---	
[11:45-12:00]	3	13 MPH	32 F	---	
[12:00-12:15]	3	11 MPH	32 F	---	
[12:15-12:30]	7	6 MPH	32 F	---	
[12:30-12:45]	8	13 MPH	32 F	---	
[12:45-13:00]	3	13 MPH	32 F	---	
[13:00-13:15]	1	18 MPH	32 F	---	
[13:15-13:30]	0	0 MPH	32 F	---	
[13:30-13:45]	6	15 MPH	32 F	---	
[13:45-14:00]	4	5 MPH	32 F	---	
[14:00-14:15]	3	17 MPH	32 F	---	
[14:15-14:30]	1	28 MPH	32 F	---	
[14:30-14:45]	7	8 MPH	32 F	---	
[14:45-15:00]	5	16 MPH	32 F	---	
[15:00-15:15]	2	11 MPH	32 F	---	
[15:15-15:30]	4	12 MPH	32 F	---	
[15:30-15:45]	4	11 MPH	32 F	---	
[15:45-16:00]	4	14 MPH	32 F	---	
[16:00-16:15]	5	12 MPH	32 F	---	
[16:15-16:30]	4	10 MPH	32 F	---	
[16:30-16:45]	8	13 MPH	32 F	---	
[16:45-17:00]	11	28 MPH	32 F	---	
[17:00-17:15]	4	11 MPH	32 F	---	
[17:15-17:30]	5	12 MPH	32 F	---	
[17:30-17:45]	10	13 MPH	32 F	---	
[17:45-18:00]	6	10 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: NB 1202 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 810 AADT Count: 270	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[18:00-18:15]	8	16 MPH	32 F	---	
[18:15-18:30]	5	4 MPH	32 F	---	
[18:30-18:45]	10	11 MPH	32 F	---	
[18:45-19:00]	5	7 MPH	32 F	---	
[19:00-19:15]	7	6 MPH	32 F	---	
[19:15-19:30]	6	16 MPH	32 F	---	
[19:30-19:45]	1	18 MPH	32 F	---	
[19:45-20:00]	3	13 MPH	32 F	---	
[20:00-20:15]	3	5 MPH	32 F	---	
[20:15-20:30]	2	5 MPH	32 F	---	
[20:30-20:45]	4	18 MPH	32 F	---	
[20:45-21:00]	1	18 MPH	32 F	---	
[21:00-21:15]	4	12 MPH	32 F	---	
[21:15-21:30]	4	16 MPH	32 F	---	
[21:30-21:45]	5	29 MPH	32 F	---	
[21:45-22:00]	0	0 MPH	32 F	---	
[22:00-22:15]	0	0 MPH	32 F	---	
[22:15-22:30]	1	12 MPH	32 F	---	
[22:30-22:45]	1	4 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Thu,19/04/2018	261	13 MPH	32 F		
Fri,20/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Glen Avenue SW		Lane: NB 1202		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 810	
County: Loudoun County		AADT Factor: 1		AADT Count: 270	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Fri, 20/04/2018					
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	1	4 MPH	32 F	---	
Fri, 20/04/2018	1	4 MPH	32 F		
17/04/2018 04:00 AM					
20/04/2018 04:00 AM	810	14 MPH	32 F		

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Vienna
Street: Glen Avenue SW

A study of vehicle traffic was conducted with the device having serial number 400588. The study was done in the SB 588 lane at Glen Avenue SW in Vienna, VA in Loudoun County county. The study began on 17/04/2018 at 04:00 AM and concluded on 20/04/2018 at 04:00 AM, lasting a total of 72.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 822 vehicles passed through the location with a peak volume of 14 on 18/04/2018 at [17:15-17:30] and a minimum volume of 0 on 17/04/2018 at [22:15-22:30]. The AADT count for this study was 274.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 10 - 15 MPH range or lower. The average speed for all classified vehicles was 12 MPH with 5.37% vehicles exceeding the posted speed of 25 MPH. 1.71% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 10MPH and the 85th percentile was 17.05 MPH.

< to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >					
296	354	112	14	12	3	2	5	7	1	1	2	2	0	9					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin.

Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 513 which represents 63 percent of the total classified vehicles. The number of Vans & Pickups in the study was 238 which represents 29 percent of the total classified vehicles. The number of Busses & Trucks in the study was 35 which represents 4 percent of the total classified vehicles. The number of Tractor Trailers in the study was 34 which represents 4 percent of the total classified vehicles.

< to 17	18 to 20	21 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to >												
513	175	63	20	15	5	5	24												

CHART 2

HEADWAY

During the peak traffic period, on 18/04/2018 at [17:15-17:30] the average headway between vehicles was 60 seconds. During the slowest traffic period, on 17/04/2018 at [22:15-22:30] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 32.00 and 32.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: SB 588 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 822 AADT Count: 274	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue,17/04/2018					
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	0	0 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	0	0 MPH	32 F	---	
[06:30-06:45]	0	0 MPH	32 F	---	
[06:45-07:00]	3	21 MPH	32 F	---	
[07:00-07:15]	2	8 MPH	32 F	---	
[07:15-07:30]	1	4 MPH	32 F	---	
[07:30-07:45]	6	13 MPH	32 F	---	
[07:45-08:00]	8	14 MPH	32 F	---	
[08:00-08:15]	5	11 MPH	32 F	---	
[08:15-08:30]	2	12 MPH	32 F	---	
[08:30-08:45]	4	13 MPH	32 F	---	
[08:45-09:00]	4	19 MPH	32 F	---	
[09:00-09:15]	5	9 MPH	32 F	---	
[09:15-09:30]	3	31 MPH	32 F	---	
[09:30-09:45]	2	8 MPH	32 F	---	
[09:45-10:00]	2	8 MPH	32 F	---	
[10:00-10:15]	10	13 MPH	32 F	---	
[10:15-10:30]	1	4 MPH	32 F	---	
[10:30-10:45]	5	12 MPH	32 F	---	
[10:45-11:00]	5	9 MPH	32 F	---	
[11:00-11:15]	1	4 MPH	32 F	---	
[11:15-11:30]	2	8 MPH	32 F	---	
[11:30-11:45]	1	12 MPH	32 F	---	
[11:45-12:00]	4	11 MPH	32 F	---	
[12:00-12:15]	4	11 MPH	32 F	---	
[12:15-12:30]	4	25 MPH	32 F	---	
[12:30-12:45]	3	5 MPH	32 F	---	
[12:45-13:00]	4	27 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: SB 588 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 822 AADT Count: 274	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue, 17/04/2018					
[13:00-13:15]	3	7 MPH	32 F	---	
[13:15-13:30]	5	8 MPH	32 F	---	
[13:30-13:45]	2	13 MPH	32 F	---	
[13:45-14:00]	4	9 MPH	32 F	---	
[14:00-14:15]	7	10 MPH	32 F	---	
[14:15-14:30]	4	7 MPH	32 F	---	
[14:30-14:45]	6	7 MPH	32 F	---	
[14:45-15:00]	3	9 MPH	32 F	---	
[15:00-15:15]	3	15 MPH	32 F	---	
[15:15-15:30]	3	11 MPH	32 F	---	
[15:30-15:45]	1	4 MPH	32 F	---	
[15:45-16:00]	4	8 MPH	32 F	---	
[16:00-16:15]	7	10 MPH	32 F	---	
[16:15-16:30]	11	11 MPH	32 F	---	
[16:30-16:45]	2	15 MPH	32 F	---	
[16:45-17:00]	10	10 MPH	32 F	---	
[17:00-17:15]	6	7 MPH	32 F	---	
[17:15-17:30]	13	10 MPH	32 F	---	
[17:30-17:45]	10	10 MPH	32 F	---	
[17:45-18:00]	10	11 MPH	32 F	---	
[18:00-18:15]	3	9 MPH	32 F	---	
[18:15-18:30]	6	11 MPH	32 F	---	
[18:30-18:45]	6	13 MPH	32 F	---	
[18:45-19:00]	5	15 MPH	32 F	---	
[19:00-19:15]	3	17 MPH	32 F	---	
[19:15-19:30]	5	11 MPH	32 F	---	
[19:30-19:45]	2	15 MPH	32 F	---	
[19:45-20:00]	7	7 MPH	32 F	---	
[20:00-20:15]	3	10 MPH	32 F	---	
[20:15-20:30]	4	21 MPH	32 F	---	
[20:30-20:45]	6	12 MPH	32 F	---	
[20:45-21:00]	2	8 MPH	32 F	---	
[21:00-21:15]	2	13 MPH	32 F	---	
[21:15-21:30]	2	8 MPH	32 F	---	
[21:30-21:45]	2	5 MPH	32 F	---	
[21:45-22:00]	3	13 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: SB 588 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 822 AADT Count: 274	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue,17/04/2018					
[22:00-22:15]	10	10 MPH	32 F	---	
[22:15-22:30]	0	0 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	1	75 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Tue,17/04/2018	277	12 MPH	32 F		
Wed,18/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	1	4 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	1	12 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	1	4 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Glen Avenue SW		Lane: SB 588		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 822	
County: Loudoun County		AADT Factor: 1		AADT Count: 274	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[06:30-06:45]	1	4 MPH	32 F	---	
[06:45-07:00]	1	4 MPH	32 F	---	
[07:00-07:15]	2	11 MPH	32 F	---	
[07:15-07:30]	2	40 MPH	32 F	---	
[07:30-07:45]	6	19 MPH	32 F	---	
[07:45-08:00]	5	13 MPH	32 F	---	
[08:00-08:15]	3	13 MPH	32 F	---	
[08:15-08:30]	3	11 MPH	32 F	---	
[08:30-08:45]	1	12 MPH	32 F	---	
[08:45-09:00]	3	9 MPH	32 F	---	
[09:00-09:15]	4	10 MPH	32 F	---	
[09:15-09:30]	4	12 MPH	32 F	---	
[09:30-09:45]	4	14 MPH	32 F	---	
[09:45-10:00]	3	7 MPH	32 F	---	
[10:00-10:15]	5	13 MPH	32 F	---	
[10:15-10:30]	1	4 MPH	32 F	---	
[10:30-10:45]	5	10 MPH	32 F	---	
[10:45-11:00]	2	15 MPH	32 F	---	
[11:00-11:15]	5	9 MPH	32 F	---	
[11:15-11:30]	1	12 MPH	32 F	---	
[11:30-11:45]	6	9 MPH	32 F	---	
[11:45-12:00]	7	8 MPH	32 F	---	
[12:00-12:15]	3	7 MPH	32 F	---	
[12:15-12:30]	0	0 MPH	32 F	---	
[12:30-12:45]	4	11 MPH	32 F	---	
[12:45-13:00]	8	10 MPH	32 F	---	
[13:00-13:15]	2	15 MPH	32 F	---	
[13:15-13:30]	8	14 MPH	32 F	---	
[13:30-13:45]	5	9 MPH	32 F	---	
[13:45-14:00]	1	12 MPH	32 F	---	
[14:00-14:15]	7	19 MPH	32 F	---	
[14:15-14:30]	2	8 MPH	32 F	---	
[14:30-14:45]	8	10 MPH	32 F	---	
[14:45-15:00]	7	20 MPH	32 F	---	
[15:00-15:15]	3	25 MPH	32 F	---	
[15:15-15:30]	3	9 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: SB 588 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 822 AADT Count: 274	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[15:30-15:45]	2	15 MPH	32 F	---	
[15:45-16:00]	3	9 MPH	32 F	---	
[16:00-16:15]	4	23 MPH	32 F	---	
[16:15-16:30]	5	8 MPH	32 F	---	
[16:30-16:45]	12	10 MPH	32 F	---	
[16:45-17:00]	8	10 MPH	32 F	---	
[17:00-17:15]	5	14 MPH	32 F	---	
[17:15-17:30]	14	11 MPH	32 F	---	
[17:30-17:45]	9	17 MPH	32 F	---	
[17:45-18:00]	5	8 MPH	32 F	---	
[18:00-18:15]	8	13 MPH	32 F	---	
[18:15-18:30]	6	10 MPH	32 F	---	
[18:30-18:45]	9	14 MPH	32 F	---	
[18:45-19:00]	12	12 MPH	32 F	---	
[19:00-19:15]	3	13 MPH	32 F	---	
[19:15-19:30]	5	9 MPH	32 F	---	
[19:30-19:45]	4	14 MPH	32 F	---	
[19:45-20:00]	3	23 MPH	32 F	---	
[20:00-20:15]	3	11 MPH	32 F	---	
[20:15-20:30]	2	13 MPH	32 F	---	
[20:30-20:45]	1	4 MPH	32 F	---	
[20:45-21:00]	1	4 MPH	32 F	---	
[21:00-21:15]	3	10 MPH	32 F	---	
[21:15-21:30]	0	0 MPH	32 F	---	
[21:30-21:45]	0	0 MPH	32 F	---	
[21:45-22:00]	2	44 MPH	32 F	---	
[22:00-22:15]	2	5 MPH	32 F	---	
[22:15-22:30]	2	8 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Wed,18/04/2018	271	12 MPH	32 F		

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588 Street: Glen Avenue SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: SB 588 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 822 AADT Count: 274	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[00:00-00:15]	1	4 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	1	12 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	1	12 MPH	32 F	---	
[06:00-06:15]	1	12 MPH	32 F	---	
[06:15-06:30]	0	0 MPH	32 F	---	
[06:30-06:45]	1	18 MPH	32 F	---	
[06:45-07:00]	2	20 MPH	32 F	---	
[07:00-07:15]	4	12 MPH	32 F	---	
[07:15-07:30]	2	8 MPH	32 F	---	
[07:30-07:45]	6	13 MPH	32 F	---	
[07:45-08:00]	12	18 MPH	32 F	---	
[08:00-08:15]	4	16 MPH	32 F	---	
[08:15-08:30]	10	9 MPH	32 F	---	
[08:30-08:45]	6	13 MPH	32 F	---	
[08:45-09:00]	5	14 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Glen Avenue SW		Lane: SB 588		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 822	
County: Loudoun County		AADT Factor: 1		AADT Count: 274	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[09:00-09:15]	2	8 MPH	32 F	---	
[09:15-09:30]	4	16 MPH	32 F	---	
[09:30-09:45]	4	12 MPH	32 F	---	
[09:45-10:00]	5	8 MPH	32 F	---	
[10:00-10:15]	3	9 MPH	32 F	---	
[10:15-10:30]	3	7 MPH	32 F	---	
[10:30-10:45]	2	11 MPH	32 F	---	
[10:45-11:00]	5	6 MPH	32 F	---	
[11:00-11:15]	3	7 MPH	32 F	---	
[11:15-11:30]	4	13 MPH	32 F	---	
[11:30-11:45]	1	4 MPH	32 F	---	
[11:45-12:00]	5	13 MPH	32 F	---	
[12:00-12:15]	2	13 MPH	32 F	---	
[12:15-12:30]	8	10 MPH	32 F	---	
[12:30-12:45]	8	21 MPH	32 F	---	
[12:45-13:00]	3	7 MPH	32 F	---	
[13:00-13:15]	3	7 MPH	32 F	---	
[13:15-13:30]	1	12 MPH	32 F	---	
[13:30-13:45]	5	15 MPH	32 F	---	
[13:45-14:00]	3	13 MPH	32 F	---	
[14:00-14:15]	2	5 MPH	32 F	---	
[14:15-14:30]	1	48 MPH	32 F	---	
[14:30-14:45]	5	12 MPH	32 F	---	
[14:45-15:00]	4	15 MPH	32 F	---	
[15:00-15:15]	2	35 MPH	32 F	---	
[15:15-15:30]	5	9 MPH	32 F	---	
[15:30-15:45]	2	13 MPH	32 F	---	
[15:45-16:00]	3	10 MPH	32 F	---	
[16:00-16:15]	3	13 MPH	32 F	---	
[16:15-16:30]	5	9 MPH	32 F	---	
[16:30-16:45]	5	13 MPH	32 F	---	
[16:45-17:00]	7	8 MPH	32 F	---	
[17:00-17:15]	7	12 MPH	32 F	---	
[17:15-17:30]	7	12 MPH	32 F	---	
[17:30-17:45]	13	18 MPH	32 F	---	
[17:45-18:00]	5	6 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Glen Avenue SW		Lane: SB 588		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 822	
County: Loudoun County		AADT Factor: 1		AADT Count: 274	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[18:00-18:15]	9	12 MPH	32 F	---	
[18:15-18:30]	8	13 MPH	32 F	---	
[18:30-18:45]	7	13 MPH	32 F	---	
[18:45-19:00]	5	24 MPH	32 F	---	
[19:00-19:15]	8	13 MPH	32 F	---	
[19:15-19:30]	2	44 MPH	32 F	---	
[19:30-19:45]	1	4 MPH	32 F	---	
[19:45-20:00]	1	12 MPH	32 F	---	
[20:00-20:15]	4	13 MPH	32 F	---	
[20:15-20:30]	3	13 MPH	32 F	---	
[20:30-20:45]	6	19 MPH	32 F	---	
[20:45-21:00]	0	0 MPH	32 F	---	
[21:00-21:15]	5	6 MPH	32 F	---	
[21:15-21:30]	2	8 MPH	32 F	---	
[21:30-21:45]	3	5 MPH	32 F	---	
[21:45-22:00]	0	0 MPH	32 F	---	
[22:00-22:15]	0	0 MPH	32 F	---	
[22:15-22:30]	1	12 MPH	32 F	---	
[22:30-22:45]	1	12 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	1	12 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Thu,19/04/2018	273	13 MPH	32 F		
Fri,20/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Glen Avenue SW		Lane: SB 588		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 822	
County: Loudoun County		AADT Factor: 1		AADT Count: 274	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Fri, 20/04/2018					
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	1	18 MPH	32 F	---	
Fri, 20/04/2018	1	18 MPH	32 F		
17/04/2018 04:00 AM					
20/04/2018 04:00 AM	822	12 MPH	32 F		

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Vienna
Street: Wade Hampton Drive SW

A study of vehicle traffic was conducted with the device having serial number 400876. The study was done in the EB 876 lane at Wade Hampton Drive SW in Vienna, VA in Loudoun County county. The study began on 17/04/2018 at 04:00 AM and concluded on 20/04/2018 at 04:00 AM, lasting a total of 72.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 348 vehicles passed through the location with a peak volume of 8 on 19/04/2018 at [16:30-16:45] and a minimum volume of 0 on 17/04/2018 at [12:15-12:30]. The AADT count for this study was 116.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 9 MPH range or lower. The average speed for all classified vehicles was 16 MPH with 18.97% vehicles exceeding the posted speed of 25 MPH. 1.72% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 9MPH and the 85th percentile was 27.60 MPH.

< to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >					
125	47	69	41	25	18	7	4	4	2	0	0	0	0	6					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin.

Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 231 which represents 66 percent of the total classified vehicles. The number of Vans & Pickups in the study was 81 which represents 23 percent of the total classified vehicles. The number of Busses & Trucks in the study was 21 which represents 6 percent of the total classified vehicles. The number of Tractor Trailers in the study was 15 which represents 4 percent of the total classified vehicles.

< to 17	18 to 20	21 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to >												
231	60	21	16	5	7	3	5												

CHART 2

HEADWAY

During the peak traffic period, on 19/04/2018 at [16:30-16:45] the average headway between vehicles was 100 seconds. During the slowest traffic period, on 17/04/2018 at [12:15-12:30] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 32.00 and 32.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876 Street: Wade Hampton Drive SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: EB 876 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 348 AADT Count: 116	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue, 17/04/2018					
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	1	4 MPH	32 F	---	
[04:30-04:45]	1	4 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	0	0 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	1	4 MPH	32 F	---	
[06:30-06:45]	2	13 MPH	32 F	---	
[06:45-07:00]	2	32 MPH	32 F	---	
[07:00-07:15]	3	23 MPH	32 F	---	
[07:15-07:30]	2	16 MPH	32 F	---	
[07:30-07:45]	0	0 MPH	32 F	---	
[07:45-08:00]	5	19 MPH	32 F	---	
[08:00-08:15]	6	14 MPH	32 F	---	
[08:15-08:30]	0	0 MPH	32 F	---	
[08:30-08:45]	0	0 MPH	32 F	---	
[08:45-09:00]	0	0 MPH	32 F	---	
[09:00-09:15]	0	0 MPH	32 F	---	
[09:15-09:30]	1	4 MPH	32 F	---	
[09:30-09:45]	3	12 MPH	32 F	---	
[09:45-10:00]	1	4 MPH	32 F	---	
[10:00-10:15]	0	0 MPH	32 F	---	
[10:15-10:30]	0	0 MPH	32 F	---	
[10:30-10:45]	1	75 MPH	32 F	---	
[10:45-11:00]	0	0 MPH	32 F	---	
[11:00-11:15]	0	0 MPH	32 F	---	
[11:15-11:30]	0	0 MPH	32 F	---	
[11:30-11:45]	0	0 MPH	32 F	---	
[11:45-12:00]	0	0 MPH	32 F	---	
[12:00-12:15]	1	4 MPH	32 F	---	
[12:15-12:30]	0	0 MPH	32 F	---	
[12:30-12:45]	0	0 MPH	32 F	---	
[12:45-13:00]	3	13 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Wade Hampton Drive SW		Lane: EB 876		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 348	
County: Loudoun County		AADT Factor: 1		AADT Count: 116	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue, 17/04/2018					
[13:00-13:15]	0	0 MPH	32 F	---	
[13:15-13:30]	2	5 MPH	32 F	---	
[13:30-13:45]	1	32 MPH	32 F	---	
[13:45-14:00]	1	18 MPH	32 F	---	
[14:00-14:15]	0	0 MPH	32 F	---	
[14:15-14:30]	0	0 MPH	32 F	---	
[14:30-14:45]	1	28 MPH	32 F	---	
[14:45-15:00]	1	4 MPH	32 F	---	
[15:00-15:15]	1	4 MPH	32 F	---	
[15:15-15:30]	0	0 MPH	32 F	---	
[15:30-15:45]	0	0 MPH	32 F	---	
[15:45-16:00]	1	28 MPH	32 F	---	
[16:00-16:15]	0	0 MPH	32 F	---	
[16:15-16:30]	3	7 MPH	32 F	---	
[16:30-16:45]	1	4 MPH	32 F	---	
[16:45-17:00]	1	38 MPH	32 F	---	
[17:00-17:15]	1	4 MPH	32 F	---	
[17:15-17:30]	0	0 MPH	32 F	---	
[17:30-17:45]	1	4 MPH	32 F	---	
[17:45-18:00]	0	0 MPH	32 F	---	
[18:00-18:15]	1	28 MPH	32 F	---	
[18:15-18:30]	4	18 MPH	32 F	---	
[18:30-18:45]	5	17 MPH	32 F	---	
[18:45-19:00]	5	18 MPH	32 F	---	
[19:00-19:15]	4	18 MPH	32 F	---	
[19:15-19:30]	3	11 MPH	32 F	---	
[19:30-19:45]	2	20 MPH	32 F	---	
[19:45-20:00]	2	23 MPH	32 F	---	
[20:00-20:15]	2	17 MPH	32 F	---	
[20:15-20:30]	6	19 MPH	32 F	---	
[20:30-20:45]	7	15 MPH	32 F	---	
[20:45-21:00]	1	18 MPH	32 F	---	
[21:00-21:15]	1	32 MPH	32 F	---	
[21:15-21:30]	2	20 MPH	32 F	---	
[21:30-21:45]	2	15 MPH	32 F	---	
[21:45-22:00]	1	18 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Wade Hampton Drive SW		Lane: EB 876		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 348	
County: Loudoun County		AADT Factor: 1		AADT Count: 116	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue,17/04/2018					
[22:00-22:15]	3	15 MPH	32 F	---	
[22:15-22:30]	1	18 MPH	32 F	---	
[22:30-22:45]	1	32 MPH	32 F	---	
[22:45-23:00]	1	22 MPH	32 F	---	
[23:00-23:15]	1	22 MPH	32 F	---	
[23:15-23:30]	1	22 MPH	32 F	---	
[23:30-23:45]	1	12 MPH	32 F	---	
[23:45-00:00]	1	12 MPH	32 F	---	
Tue,17/04/2018	106	17 MPH	32 F		
Wed,18/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	2	8 MPH	32 F	---	
[00:30-00:45]	1	4 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	0	0 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	0	0 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	3	17 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Wade Hampton Drive SW		Lane: EB 876		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 348	
County: Loudoun County		AADT Factor: 1		AADT Count: 116	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[06:30-06:45]	1	4 MPH	32 F	---	
[06:45-07:00]	1	12 MPH	32 F	---	
[07:00-07:15]	2	35 MPH	32 F	---	
[07:15-07:30]	2	27 MPH	32 F	---	
[07:30-07:45]	2	27 MPH	32 F	---	
[07:45-08:00]	6	23 MPH	32 F	---	
[08:00-08:15]	0	0 MPH	32 F	---	
[08:15-08:30]	0	0 MPH	32 F	---	
[08:30-08:45]	0	0 MPH	32 F	---	
[08:45-09:00]	0	0 MPH	32 F	---	
[09:00-09:15]	0	0 MPH	32 F	---	
[09:15-09:30]	2	5 MPH	32 F	---	
[09:30-09:45]	0	0 MPH	32 F	---	
[09:45-10:00]	0	0 MPH	32 F	---	
[10:00-10:15]	0	0 MPH	32 F	---	
[10:15-10:30]	2	16 MPH	32 F	---	
[10:30-10:45]	0	0 MPH	32 F	---	
[10:45-11:00]	0	0 MPH	32 F	---	
[11:00-11:15]	0	0 MPH	32 F	---	
[11:15-11:30]	0	0 MPH	32 F	---	
[11:30-11:45]	0	0 MPH	32 F	---	
[11:45-12:00]	0	0 MPH	32 F	---	
[12:00-12:15]	0	0 MPH	32 F	---	
[12:15-12:30]	2	26 MPH	32 F	---	
[12:30-12:45]	0	0 MPH	32 F	---	
[12:45-13:00]	2	26 MPH	32 F	---	
[13:00-13:15]	0	0 MPH	32 F	---	
[13:15-13:30]	2	5 MPH	32 F	---	
[13:30-13:45]	0	0 MPH	32 F	---	
[13:45-14:00]	1	4 MPH	32 F	---	
[14:00-14:15]	0	0 MPH	32 F	---	
[14:15-14:30]	0	0 MPH	32 F	---	
[14:30-14:45]	1	4 MPH	32 F	---	
[14:45-15:00]	0	0 MPH	32 F	---	
[15:00-15:15]	0	0 MPH	32 F	---	
[15:15-15:30]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Wade Hampton Drive SW		Lane: EB 876		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 348	
County: Loudoun County		AADT Factor: 1		AADT Count: 116	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[15:30-15:45]	3	5 MPH	32 F	---	
[15:45-16:00]	1	12 MPH	32 F	---	
[16:00-16:15]	1	4 MPH	32 F	---	
[16:15-16:30]	0	0 MPH	32 F	---	
[16:30-16:45]	2	5 MPH	32 F	---	
[16:45-17:00]	0	0 MPH	32 F	---	
[17:00-17:15]	0	0 MPH	32 F	---	
[17:15-17:30]	0	0 MPH	32 F	---	
[17:30-17:45]	0	0 MPH	32 F	---	
[17:45-18:00]	0	0 MPH	32 F	---	
[18:00-18:15]	1	38 MPH	32 F	---	
[18:15-18:30]	0	0 MPH	32 F	---	
[18:30-18:45]	0	0 MPH	32 F	---	
[18:45-19:00]	1	12 MPH	32 F	---	
[19:00-19:15]	0	0 MPH	32 F	---	
[19:15-19:30]	1	4 MPH	32 F	---	
[19:30-19:45]	3	5 MPH	32 F	---	
[19:45-20:00]	3	11 MPH	32 F	---	
[20:00-20:15]	5	19 MPH	32 F	---	
[20:15-20:30]	2	26 MPH	32 F	---	
[20:30-20:45]	4	14 MPH	32 F	---	
[20:45-21:00]	3	19 MPH	32 F	---	
[21:00-21:15]	1	22 MPH	32 F	---	
[21:15-21:30]	0	0 MPH	32 F	---	
[21:30-21:45]	3	33 MPH	32 F	---	
[21:45-22:00]	1	12 MPH	32 F	---	
[22:00-22:15]	3	9 MPH	32 F	---	
[22:15-22:30]	1	18 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Wed,18/04/2018	71	16 MPH	32 F		

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876 Street: Wade Hampton Drive SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: EB 876 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 348 AADT Count: 116	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	1	18 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	0	0 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	0	0 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	1	75 MPH	32 F	---	
[06:30-06:45]	2	28 MPH	32 F	---	
[06:45-07:00]	0	0 MPH	32 F	---	
[07:00-07:15]	2	11 MPH	32 F	---	
[07:15-07:30]	1	18 MPH	32 F	---	
[07:30-07:45]	0	0 MPH	32 F	---	
[07:45-08:00]	5	14 MPH	32 F	---	
[08:00-08:15]	4	14 MPH	32 F	---	
[08:15-08:30]	5	19 MPH	32 F	---	
[08:30-08:45]	0	0 MPH	32 F	---	
[08:45-09:00]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876 Street: Wade Hampton Drive SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: EB 876 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 348 AADT Count: 116	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu, 19/04/2018					
[09:00-09:15]	0	0 MPH	32 F	---	
[09:15-09:30]	1	4 MPH	32 F	---	
[09:30-09:45]	0	0 MPH	32 F	---	
[09:45-10:00]	3	29 MPH	32 F	---	
[10:00-10:15]	2	5 MPH	32 F	---	
[10:15-10:30]	0	0 MPH	32 F	---	
[10:30-10:45]	1	4 MPH	32 F	---	
[10:45-11:00]	2	8 MPH	32 F	---	
[11:00-11:15]	1	4 MPH	32 F	---	
[11:15-11:30]	0	0 MPH	32 F	---	
[11:30-11:45]	1	4 MPH	32 F	---	
[11:45-12:00]	0	0 MPH	32 F	---	
[12:00-12:15]	0	0 MPH	32 F	---	
[12:15-12:30]	0	0 MPH	32 F	---	
[12:30-12:45]	1	4 MPH	32 F	---	
[12:45-13:00]	2	13 MPH	32 F	---	
[13:00-13:15]	3	9 MPH	32 F	---	
[13:15-13:30]	1	12 MPH	32 F	---	
[13:30-13:45]	1	75 MPH	32 F	---	
[13:45-14:00]	1	12 MPH	32 F	---	
[14:00-14:15]	2	5 MPH	32 F	---	
[14:15-14:30]	0	0 MPH	32 F	---	
[14:30-14:45]	0	0 MPH	32 F	---	
[14:45-15:00]	2	8 MPH	32 F	---	
[15:00-15:15]	5	21 MPH	32 F	---	
[15:15-15:30]	4	20 MPH	32 F	---	
[15:30-15:45]	7	13 MPH	32 F	---	
[15:45-16:00]	6	14 MPH	32 F	---	
[16:00-16:15]	6	18 MPH	32 F	---	
[16:15-16:30]	2	23 MPH	32 F	---	
[16:30-16:45]	8	24 MPH	32 F	---	
[16:45-17:00]	7	15 MPH	32 F	---	
[17:00-17:15]	5	21 MPH	32 F	---	
[17:15-17:30]	4	12 MPH	32 F	---	
[17:30-17:45]	6	20 MPH	32 F	---	
[17:45-18:00]	5	18 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID:400876		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street:Wade Hampton Drive SW		Lane: EB 876		Hours: 72.00	
State:VA		Operator: AH		Period: 15	
City:Vienna		Speed Limit: 25		Raw Count: 348	
County:Loudoun County		AADT Factor: 1		AADT Count: 116	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[18:00-18:15]	4	13 MPH	32 F	---	
[18:15-18:30]	2	25 MPH	32 F	---	
[18:30-18:45]	8	12 MPH	32 F	---	
[18:45-19:00]	3	11 MPH	32 F	---	
[19:00-19:15]	4	26 MPH	32 F	---	
[19:15-19:30]	8	16 MPH	32 F	---	
[19:30-19:45]	2	13 MPH	32 F	---	
[19:45-20:00]	3	18 MPH	32 F	---	
[20:00-20:15]	3	5 MPH	32 F	---	
[20:15-20:30]	0	0 MPH	32 F	---	
[20:30-20:45]	3	16 MPH	32 F	---	
[20:45-21:00]	2	20 MPH	32 F	---	
[21:00-21:15]	5	16 MPH	32 F	---	
[21:15-21:30]	3	14 MPH	32 F	---	
[21:30-21:45]	4	15 MPH	32 F	---	
[21:45-22:00]	1	18 MPH	32 F	---	
[22:00-22:15]	1	12 MPH	32 F	---	
[22:15-22:30]	4	14 MPH	32 F	---	
[22:30-22:45]	1	4 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Thu,19/04/2018	171	16 MPH	32 F		
Fri,20/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Wade Hampton Drive SW		Lane: EB 876		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 348	
County: Loudoun County		AADT Factor: 1		AADT Count: 116	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Fri, 20/04/2018					
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	0	0 MPH	32 F	---	
Fri, 20/04/2018	0	MPH	32 F		
17/04/2018 04:00 AM					
20/04/2018 04:00 AM	348	16 MPH	32 F		

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Vienna
Street: Wade Hampton Drive SW

A study of vehicle traffic was conducted with the device having serial number 400590. The study was done in the WB 590 lane at Wade Hampton Drive SW in Vienna, VA in Loudoun County county. The study began on 17/04/2018 at 04:00 AM and concluded on 20/04/2018 at 04:00 AM, lasting a total of 72.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 868 vehicles passed through the location with a peak volume of 14 on 18/04/2018 at [17:15-17:30] and a minimum volume of 0 on 17/04/2018 at [21:45-22:00]. The AADT count for this study was 289.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 10 - 15 MPH range or lower. The average speed for all classified vehicles was 21 MPH with 24.07% vehicles exceeding the posted speed of 25 MPH. 7.52% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 10MPH and the 85th percentile was 34.46 MPH.

< to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >					
158	282	140	76	53	28	23	13	14	12	6	11	6	2	40					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin.

Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 442 which represents 51 percent of the total classified vehicles. The number of Vans & Pickups in the study was 249 which represents 29 percent of the total classified vehicles. The number of Busses & Trucks in the study was 72 which represents 8 percent of the total classified vehicles. The number of Tractor Trailers in the study was 101 which represents 12 percent of the total classified vehicles.

< to 17	18 to 20	21 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to >												
442	176	73	48	24	25	17	59												

CHART 2

HEADWAY

During the peak traffic period, on 18/04/2018 at [17:15-17:30] the average headway between vehicles was 60 seconds. During the slowest traffic period, on 17/04/2018 at [21:45-22:00] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 32.00 and 32.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400590		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Wade Hampton Drive SW		Lane: WB 590		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 868	
County: Loudoun County		AADT Factor: 1		AADT Count: 289	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue, 17/04/2018					
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	1	12 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	0	0 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	1	22 MPH	32 F	---	
[06:30-06:45]	1	28 MPH	32 F	---	
[06:45-07:00]	2	25 MPH	32 F	---	
[07:00-07:15]	2	44 MPH	32 F	---	
[07:15-07:30]	5	30 MPH	32 F	---	
[07:30-07:45]	5	34 MPH	32 F	---	
[07:45-08:00]	9	23 MPH	32 F	---	
[08:00-08:15]	8	27 MPH	32 F	---	
[08:15-08:30]	4	12 MPH	32 F	---	
[08:30-08:45]	9	18 MPH	32 F	---	
[08:45-09:00]	7	23 MPH	32 F	---	
[09:00-09:15]	12	12 MPH	32 F	---	
[09:15-09:30]	3	14 MPH	32 F	---	
[09:30-09:45]	9	13 MPH	32 F	---	
[09:45-10:00]	3	12 MPH	32 F	---	
[10:00-10:15]	7	25 MPH	32 F	---	
[10:15-10:30]	5	32 MPH	32 F	---	
[10:30-10:45]	7	13 MPH	32 F	---	
[10:45-11:00]	8	18 MPH	32 F	---	
[11:00-11:15]	2	13 MPH	32 F	---	
[11:15-11:30]	3	31 MPH	32 F	---	
[11:30-11:45]	3	56 MPH	32 F	---	
[11:45-12:00]	3	10 MPH	32 F	---	
[12:00-12:15]	5	35 MPH	32 F	---	
[12:15-12:30]	3	10 MPH	32 F	---	
[12:30-12:45]	4	41 MPH	32 F	---	
[12:45-13:00]	4	15 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID:400590		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street:Wade Hampton Drive SW		Lane: WB 590		Hours: 72.00	
State:VA		Operator: AH		Period: 15	
City:Vienna		Speed Limit: 25		Raw Count: 868	
County:Loudoun County		AADT Factor: 1		AADT Count: 289	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue,17/04/2018					
[13:00-13:15]	4	10 MPH	32 F	---	
[13:15-13:30]	9	20 MPH	32 F	---	
[13:30-13:45]	6	26 MPH	32 F	---	
[13:45-14:00]	7	22 MPH	32 F	---	
[14:00-14:15]	11	12 MPH	32 F	---	
[14:15-14:30]	6	7 MPH	32 F	---	
[14:30-14:45]	2	13 MPH	32 F	---	
[14:45-15:00]	4	24 MPH	32 F	---	
[15:00-15:15]	3	15 MPH	32 F	---	
[15:15-15:30]	5	17 MPH	32 F	---	
[15:30-15:45]	3	25 MPH	32 F	---	
[15:45-16:00]	6	34 MPH	32 F	---	
[16:00-16:15]	6	10 MPH	32 F	---	
[16:15-16:30]	9	29 MPH	32 F	---	
[16:30-16:45]	6	30 MPH	32 F	---	
[16:45-17:00]	5	14 MPH	32 F	---	
[17:00-17:15]	8	28 MPH	32 F	---	
[17:15-17:30]	8	8 MPH	32 F	---	
[17:30-17:45]	11	23 MPH	32 F	---	
[17:45-18:00]	8	25 MPH	32 F	---	
[18:00-18:15]	3	40 MPH	32 F	---	
[18:15-18:30]	4	18 MPH	32 F	---	
[18:30-18:45]	10	29 MPH	32 F	---	
[18:45-19:00]	4	21 MPH	32 F	---	
[19:00-19:15]	6	19 MPH	32 F	---	
[19:15-19:30]	7	17 MPH	32 F	---	
[19:30-19:45]	4	41 MPH	32 F	---	
[19:45-20:00]	3	26 MPH	32 F	---	
[20:00-20:15]	3	25 MPH	32 F	---	
[20:15-20:30]	2	45 MPH	32 F	---	
[20:30-20:45]	3	7 MPH	32 F	---	
[20:45-21:00]	2	15 MPH	32 F	---	
[21:00-21:15]	3	17 MPH	32 F	---	
[21:15-21:30]	1	22 MPH	32 F	---	
[21:30-21:45]	1	12 MPH	32 F	---	
[21:45-22:00]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400590		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Wade Hampton Drive SW		Lane: WB 590		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 868	
County: Loudoun County		AADT Factor: 1		AADT Count: 289	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Tue,17/04/2018					
[22:00-22:15]	1	4 MPH	32 F	---	
[22:15-22:30]	1	28 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	1	18 MPH	32 F	---	
[23:00-23:15]	1	58 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Tue,17/04/2018	322	22 MPH	32 F		
Wed,18/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	1	38 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	0	0 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	1	22 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	0	0 MPH	32 F	---	
[06:00-06:15]	0	0 MPH	32 F	---	
[06:15-06:30]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400590		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Wade Hampton Drive SW		Lane: WB 590		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 868	
County: Loudoun County		AADT Factor: 1		AADT Count: 289	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[06:30-06:45]	0	0 MPH	32 F	---	
[06:45-07:00]	0	0 MPH	32 F	---	
[07:00-07:15]	3	21 MPH	32 F	---	
[07:15-07:30]	6	22 MPH	32 F	---	
[07:30-07:45]	4	27 MPH	32 F	---	
[07:45-08:00]	10	22 MPH	32 F	---	
[08:00-08:15]	5	18 MPH	32 F	---	
[08:15-08:30]	5	17 MPH	32 F	---	
[08:30-08:45]	9	28 MPH	32 F	---	
[08:45-09:00]	12	26 MPH	32 F	---	
[09:00-09:15]	6	13 MPH	32 F	---	
[09:15-09:30]	5	17 MPH	32 F	---	
[09:30-09:45]	8	29 MPH	32 F	---	
[09:45-10:00]	3	50 MPH	32 F	---	
[10:00-10:15]	6	14 MPH	32 F	---	
[10:15-10:30]	3	7 MPH	32 F	---	
[10:30-10:45]	4	13 MPH	32 F	---	
[10:45-11:00]	6	11 MPH	32 F	---	
[11:00-11:15]	3	17 MPH	32 F	---	
[11:15-11:30]	1	12 MPH	32 F	---	
[11:30-11:45]	3	7 MPH	32 F	---	
[11:45-12:00]	6	24 MPH	32 F	---	
[12:00-12:15]	5	11 MPH	32 F	---	
[12:15-12:30]	1	32 MPH	32 F	---	
[12:30-12:45]	2	13 MPH	32 F	---	
[12:45-13:00]	5	13 MPH	32 F	---	
[13:00-13:15]	6	9 MPH	32 F	---	
[13:15-13:30]	9	20 MPH	32 F	---	
[13:30-13:45]	5	13 MPH	32 F	---	
[13:45-14:00]	1	12 MPH	32 F	---	
[14:00-14:15]	6	20 MPH	32 F	---	
[14:15-14:30]	1	4 MPH	32 F	---	
[14:30-14:45]	2	13 MPH	32 F	---	
[14:45-15:00]	6	25 MPH	32 F	---	
[15:00-15:15]	2	15 MPH	32 F	---	
[15:15-15:30]	3	17 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400590		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Wade Hampton Drive SW		Lane: WB 590		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 868	
County: Loudoun County		AADT Factor: 1		AADT Count: 289	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed,18/04/2018					
[15:30-15:45]	6	18 MPH	32 F	---	
[15:45-16:00]	1	48 MPH	32 F	---	
[16:00-16:15]	7	12 MPH	32 F	---	
[16:15-16:30]	6	31 MPH	32 F	---	
[16:30-16:45]	10	29 MPH	32 F	---	
[16:45-17:00]	3	11 MPH	32 F	---	
[17:00-17:15]	5	22 MPH	32 F	---	
[17:15-17:30]	14	16 MPH	32 F	---	
[17:30-17:45]	8	15 MPH	32 F	---	
[17:45-18:00]	5	13 MPH	32 F	---	
[18:00-18:15]	7	20 MPH	32 F	---	
[18:15-18:30]	9	16 MPH	32 F	---	
[18:30-18:45]	8	13 MPH	32 F	---	
[18:45-19:00]	14	17 MPH	32 F	---	
[19:00-19:15]	2	17 MPH	32 F	---	
[19:15-19:30]	5	8 MPH	32 F	---	
[19:30-19:45]	3	10 MPH	32 F	---	
[19:45-20:00]	1	52 MPH	32 F	---	
[20:00-20:15]	5	44 MPH	32 F	---	
[20:15-20:30]	1	12 MPH	32 F	---	
[20:30-20:45]	0	0 MPH	32 F	---	
[20:45-21:00]	2	15 MPH	32 F	---	
[21:00-21:15]	0	0 MPH	32 F	---	
[21:15-21:30]	0	0 MPH	32 F	---	
[21:30-21:45]	0	0 MPH	32 F	---	
[21:45-22:00]	0	0 MPH	32 F	---	
[22:00-22:15]	0	0 MPH	32 F	---	
[22:15-22:30]	0	0 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Wed,18/04/2018	286	19 MPH	32 F		

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400590		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Wade Hampton Drive SW		Lane: WB 590		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 868	
County: Loudoun County		AADT Factor: 1		AADT Count: 289	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu, 19/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	0	0 MPH	32 F	---	
[04:00-04:15]	0	0 MPH	32 F	---	
[04:15-04:30]	0	0 MPH	32 F	---	
[04:30-04:45]	0	0 MPH	32 F	---	
[04:45-05:00]	0	0 MPH	32 F	---	
[05:00-05:15]	0	0 MPH	32 F	---	
[05:15-05:30]	0	0 MPH	32 F	---	
[05:30-05:45]	0	0 MPH	32 F	---	
[05:45-06:00]	2	27 MPH	32 F	---	
[06:00-06:15]	1	18 MPH	32 F	---	
[06:15-06:30]	1	48 MPH	32 F	---	
[06:30-06:45]	1	22 MPH	32 F	---	
[06:45-07:00]	0	0 MPH	32 F	---	
[07:00-07:15]	7	16 MPH	32 F	---	
[07:15-07:30]	6	22 MPH	32 F	---	
[07:30-07:45]	6	29 MPH	32 F	---	
[07:45-08:00]	11	27 MPH	32 F	---	
[08:00-08:15]	3	16 MPH	32 F	---	
[08:15-08:30]	4	40 MPH	32 F	---	
[08:30-08:45]	8	24 MPH	32 F	---	
[08:45-09:00]	5	33 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID:400590		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street:Wade Hampton Drive SW		Lane: WB 590		Hours: 72.00	
State:VA		Operator: AH		Period: 15	
City:Vienna		Speed Limit: 25		Raw Count: 868	
County:Loudoun County		AADT Factor: 1		AADT Count: 289	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[09:00-09:15]	7	26 MPH	32 F	---	
[09:15-09:30]	7	24 MPH	32 F	---	
[09:30-09:45]	7	20 MPH	32 F	---	
[09:45-10:00]	5	13 MPH	32 F	---	
[10:00-10:15]	1	18 MPH	32 F	---	
[10:15-10:30]	5	23 MPH	32 F	---	
[10:30-10:45]	1	28 MPH	32 F	---	
[10:45-11:00]	4	16 MPH	32 F	---	
[11:00-11:15]	4	19 MPH	32 F	---	
[11:15-11:30]	3	10 MPH	32 F	---	
[11:30-11:45]	2	21 MPH	32 F	---	
[11:45-12:00]	7	9 MPH	32 F	---	
[12:00-12:15]	3	27 MPH	32 F	---	
[12:15-12:30]	5	21 MPH	32 F	---	
[12:30-12:45]	5	20 MPH	32 F	---	
[12:45-13:00]	2	30 MPH	32 F	---	
[13:00-13:15]	6	33 MPH	32 F	---	
[13:15-13:30]	1	62 MPH	32 F	---	
[13:30-13:45]	2	20 MPH	32 F	---	
[13:45-14:00]	5	27 MPH	32 F	---	
[14:00-14:15]	1	18 MPH	32 F	---	
[14:15-14:30]	0	0 MPH	32 F	---	
[14:30-14:45]	5	14 MPH	32 F	---	
[14:45-15:00]	5	12 MPH	32 F	---	
[15:00-15:15]	4	19 MPH	32 F	---	
[15:15-15:30]	7	18 MPH	32 F	---	
[15:30-15:45]	3	39 MPH	32 F	---	
[15:45-16:00]	3	16 MPH	32 F	---	
[16:00-16:15]	3	16 MPH	32 F	---	
[16:15-16:30]	2	13 MPH	32 F	---	
[16:30-16:45]	0	0 MPH	32 F	---	
[16:45-17:00]	4	19 MPH	32 F	---	
[17:00-17:15]	7	17 MPH	32 F	---	
[17:15-17:30]	5	24 MPH	32 F	---	
[17:30-17:45]	13	22 MPH	32 F	---	
[17:45-18:00]	4	30 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400590 Street: Wade Hampton Drive SW State: VA City: Vienna County: Loudoun County		Begin: 17/04/2018 04:00 AM Lane: WB 590 Operator: AH Speed Limit: 25 AADT Factor: 1		End: 20/04/2018 04:00 AM Hours: 72.00 Period: 15 Raw Count: 868 AADT Count: 289	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu,19/04/2018					
[18:00-18:15]	6	19 MPH	32 F	---	
[18:15-18:30]	8	25 MPH	32 F	---	
[18:30-18:45]	5	30 MPH	32 F	---	
[18:45-19:00]	4	21 MPH	32 F	---	
[19:00-19:15]	7	22 MPH	32 F	---	
[19:15-19:30]	3	19 MPH	32 F	---	
[19:30-19:45]	6	11 MPH	32 F	---	
[19:45-20:00]	2	8 MPH	32 F	---	
[20:00-20:15]	3	30 MPH	32 F	---	
[20:15-20:30]	2	8 MPH	32 F	---	
[20:30-20:45]	3	13 MPH	32 F	---	
[20:45-21:00]	0	0 MPH	32 F	---	
[21:00-21:15]	3	32 MPH	32 F	---	
[21:15-21:30]	2	30 MPH	32 F	---	
[21:30-21:45]	0	0 MPH	32 F	---	
[21:45-22:00]	0	0 MPH	32 F	---	
[22:00-22:15]	1	0 MPH	32 F	---	
[22:15-22:30]	1	18 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	0	0 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	1	22 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Thu,19/04/2018	260	22 MPH	32 F		
Fri,20/04/2018					
[00:00-00:15]	0	0 MPH	32 F	---	
[00:15-00:30]	0	0 MPH	32 F	---	
[00:30-00:45]	0	0 MPH	32 F	---	
[00:45-01:00]	0	0 MPH	32 F	---	
[01:00-01:15]	0	0 MPH	32 F	---	
[01:15-01:30]	0	0 MPH	32 F	---	
[01:30-01:45]	0	0 MPH	32 F	---	
[01:45-02:00]	0	0 MPH	32 F	---	
[02:00-02:15]	0	0 MPH	32 F	---	
[02:15-02:30]	0	0 MPH	32 F	---	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400590		Begin: 17/04/2018 04:00 AM		End: 20/04/2018 04:00 AM	
Street: Wade Hampton Drive SW		Lane: WB 590		Hours: 72.00	
State: VA		Operator: AH		Period: 15	
City: Vienna		Speed Limit: 25		Raw Count: 868	
County: Loudoun County		AADT Factor: 1		AADT Count: 289	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Fri, 20/04/2018					
[02:30-02:45]	0	0 MPH	32 F	---	
[02:45-03:00]	0	0 MPH	32 F	---	
[03:00-03:15]	0	0 MPH	32 F	---	
[03:15-03:30]	0	0 MPH	32 F	---	
[03:30-03:45]	0	0 MPH	32 F	---	
[03:45-04:00]	0	0 MPH	32 F	---	
Fri, 20/04/2018	0	MPH	32 F		
17/04/2018 04:00 AM					
20/04/2018 04:00 AM	868	21 MPH	32 F		