



DOWNTOWN LEESBURG SPEED STUDY

TOWN OF LEESBURG, VIRGINIA

November 2021

(Revised November 2022)

(Revised February 2023)



Downtown Leesburg Speed Study

Town of Leesburg, Virginia

Updated through February 2023

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SECTION 1 - INTRODUCTION

This report presents a review of vehicle speeds, pedestrian activity, and collision data within the Business and Historic District of the Town of Leesburg. The report specifically evaluates the application of the amended and reenacted section of § 46.2-1300 of the Code of Virginia approved in March 2021 and effective July 2021. The law allows local government authority to reduce speed limits.....*“less than 25 miles per hour (mph), but not less than 15 mph, on any highway within its boundaries that is located in a business district or residence district, provided that such reduced speed limit is indicated by lawfully placed signs.”* The legislation is being applied with the required “engineering and traffic investigation” study to verify the appropriateness of the proposed speed zone changes.

The study limits include primary roadways leading into and from Downtown Leesburg as shown on Figure 1.

The east-west roadways include West and East Market Street (Business Route 7) and Loudoun Street Southwest and Southeast. The east-west limits are from the western terminus at Morven Park Road NW to the east end at E. Market Street near the Tollhouse Shopping Center. South and North King Street (Business Route 15) also lead into Downtown with its limits from Union Street NW to the Washington and Old Dominion (W&OD) Trail.

The study roadways are generally narrow two-lane roads operating with 25 mph posted speed limits. In many cases, the roadways provide curbside parking situated in an urban, historic street grid of connecting streets. Historic buildings may limit intersection sight distances for the current posted speed limit. The primary goals of the study are:

- Identify operating speeds, pedestrian activity, and review collision data within the Downtown area of Leesburg.
- Review the appropriateness for lowering the posted speed limits in Downtown Leesburg based on existing conditions and typical speed change criteria.

The following sections present data and findings in support of the outlined goals.

SECTION 2 – DATA COLLECTION

Speed Measurements

Speed measurements were collected for one (1) 48-hour period from September 30 – October 1, 2021, at seven (7) locations within the Downtown study area. In addition, speed measurements were collected for one (1) 24-hour period at six (6) locations from September 28- September 29, 2022. The speed limit study locations are shown on Figure 2.

The data collected was evaluated for various time periods and are summarized by location in Table 1. Appendix A includes the raw data (Appendix A.1) and a detailed location by location tabular summary of the data (Appendix A.2) that includes the 85th percentile speeds, average speeds, and study period traffic volumes.

Figure 3A summarizes the average measured speeds and Figure 3B summarizes the 85th percentile measured speeds for the study sections. The initial measured speeds did not vary significantly by day, although marginally higher speeds were noted outside of peak periods. Therefore, additional data collection was limited to one (1) day.

Table 1
Speed Count Summary¹

Locations	Total Average (#1-7: Two Days; #8-13: One Day)		
	85th%ile Speed	Average Speed	ADT ²
Location 1 - N. King St. (Between Cornwall St. and W. Market St.)	25.1	17	8,598
Location 2 - E. Market St. (Between Church St. and S. King St.)	26.9	18	8,076
Location 3 - Harrison Street (Between Loudoun St. SE and South St.)	26.9	17	3,853
Location 4 - Loudoun St. SE (Between S. King St. and Church St.)	23.1	15	8,578
Location 5 - S. King St. (Between Royal St. and W&OD Trail)	27.9	22	7,300
Location 6 - Loudoun St. SW (Between Liberty St. and Wirt St.)	26.2	20	6,504
Location 7 - W. Market St. (Between Liberty St. and Wirt St.)	23.6	15	10,631
Location 8 - E. Market St. (Between Harrison St. SE and Loudon St. SE)	27.4	23	7,599
Location 9 - Loudon St. SW (Between Ayr St. SW and Liberty St.)	30.0	25	4,576
Location 10 - W. Market St. (Between Ayr St. SW and Memorial Dr. NW)	30.0	25	5,847
Location 11 - N. King St. (Between North St. NE and Union St. NW)	32.4	28	6,230
Location 12 - Loudoun St. SW (Between W. Market St. and Ayr St. SW)	33.9	29	3,762
Location 13 - W. Market St. (Between Loudoun St. and Ayr St. SW)	33.1	28	5,960
Total Study Area Weighted Average	26.0	21	-

Notes:

1. Each study period summarizes the average of each direction of travel at the location.
2. ADT volumes present a one-day (24-hour) traffic volume estimate based on the average of the 2-Day study period (for #1-7).

Pedestrian Data

Pedestrian count data was collected for the mid-day (11 AM to 2 PM) and evening (4 PM to 8 PM) peak hours on Friday, October 1, 2021, at seven (7) intersection locations shown on Figure 4. Pedestrian activity typically increases on Friday and Saturday afternoons and evenings within the downtown core area. As such, S. King Street has recently been closed for these typical weekends higher than average pedestrian activities. Pedestrian volumes from the Mid-day and Evening peak hour of the adjacent street vehicle traffic are shown on Figure 4 and the detailed count sheets are presented in Appendix B.

A review of the data indicates the heaviest pedestrian activity occurs at the King Street/Market Street, S. King Street/Loudoun Street, and Church Street/Loudoun Street intersections during both the mid-day and evening time periods. As expected, the pedestrian volumes during the evening peak hour were significantly higher than those encountered during the mid-day peak hour.

Collision Data

Collision data was obtained from the Virginia Department of Transportation (VDOT) for a recent three-year period (November 2018 to August 2021) for the downtown area. Detailed collision data is included in Appendix C.

The data indicates fifty-seven (57) vehicle and three (3) pedestrian collision records occurred within the study area. Further review of the data suggests that speeds are a contributing factor in only two (2) of the reported collision and they occurred at the S. King Street/Loudoun Street and Liberty Street/Loudoun Street intersections.

A review of the recent collision data compared to historic collision data (July 2014 to September 2017) for the area was completed to understand the impacts COVID-19. The historic collision data is also included in Appendix C.

The review of the historic collision data showed eighty-four (84) vehicle and three (3) pedestrian collision records were provided in the collision records for the historic data. Based on this data, speed appeared to be a contributing factor for only one (1) reported collision, which occurred at the S. King Street/Loudoun Street intersection.

While the crashes decreased during the last three (3) years, the type of crashes appears to be consistent between the study periods. Minimal pedestrian crashes and speed related crashes were acknowledged by the VDOT reports in the provided data.

SECTION 3 – EVALUATION

Using the data collected, an evaluation of segment speeds, pedestrians, and collision data within the Downtown area was completed.

Posted speed limits are generally set within approximately five (5) mph of the 85th percentile speed. That is the speed at or below which 85 percent of motorists drive under normal operating conditions. For the Town, Downtown speeds are posted at 25 miles per hour for business and residence districts and were set based on statutory limits established by the Virginia Code and an ordinance approved by the Town Council. The updated Virginia Code § 46.2-1300, as previously noted, allows the Town to set the speed limit in the business and historic district at 25, 20 or 15 mph with appropriate sign placements and an adopted ordinance.

As shown on Table 1, the average 85th percentile speed for the entire study area is 26 mph. This affirms motorists are operating within the posted speed limit within the core Downtown area. Faster speeds were recorded on the outermost areas of the study area which will be addressed separately herein.

In addition, the average speed of the entire study area was 21 mph. This suggests that a majority of the motorists are traveling near or below the 25-mph speed limit, indicating drivers' expectations are acknowledging they are entering and exiting a high activity zone. Speeds slow significantly as vehicles approach the center of the Downtown area.

The update of the Virginia Code is intended to allow local jurisdictions to determine, in this case, if a high activity center's speeds can be lowered given that lower speeds have a lower risk of injury to pedestrians in the event of an incident. Data provided by the U.S. Department of Transportation, National Highway Traffic Safety Administration (NHTSA) indicates that pedestrian deaths have increased by approximately 52.9 percent nationwide and 59.5 percent in Virginia between 2009 and 2018. Supporting data from NHTSA web page is included in Appendix D¹.

The AAA Foundation for Traffic Safety completed a study titled "*Impact Speed and a Pedestrian's Risk of Severe Injury or Death*", dated September 2011 supports the NHTSA materials and that the likelihood of a fatal or severe injury of a pedestrian when involved in a collision is 10 percent at 20 mph, 40 percent at 30 mph, and up to 80 percent at 40 mph. Based on this data, a pedestrian struck by a vehicle traveling 40 mph is eight times more likely to suffer a severe injury or death than a pedestrian struck by a vehicle traveling 20 mph. An excerpt from the AAA study is included in Appendix D.

¹ <https://www-fars.nhtsa.dot.gov/Main/index.aspx>

As noted previously, the Downtown Leesburg area currently offers an old, tight grid of streets pattern with historic buildings that, in some cases, limits sight distances for the posted speed limit. A reduced speed limit would improve pedestrian safety at intersection crossings and would decrease the required intersection and stopping sight distances for vehicles in the Downtown core. A reduced speed limit would further advise drivers of these design parameters that are not readily apparent as you enter or exit the downtown area.

Considering the majority of the recorded 85th percentile speeds are consistent with the current posted speed limit and average speeds are within 5 mph of 20 mph, a reduced speed limit of 20 mph would reinforce operating conditions and is recommended within the downtown business and historic district study limits with transition areas. The 20 mph also follows the “Vision Zero” guidance that is promoted as “20 is Plenty”, suggesting a reduction to 15 mph would not be appropriate with the study limits.

Where the recorded 85th percentile speeds exceed 30 mph and average speeds exceed 25 mph (Locations 11, 12, and 13) it is recommended that a speed transition area and advanced signage be provided. Therefore, the 20-mph speed zone would begin south of North Street from the North, east of Ayr Street from the west, and at the study area boundary from the east and south.

Further, the speed data indicates increases in speeds outside the identified area and anecdotal decreases in pedestrian activity, suggests a decrease in the speed limit would not be appropriate.

A formal signage plan is anticipated to be completed should the Town Council consider setting a 20-mph speed limit zone for the Downtown Area. The signage plan would include lawfully placed posted speed limit signs and consider treatments for side streets, advanced warning signage, and additional fee signs, if deemed appropriate. The transition areas noted previous will require signage to identify the reduced speed zone ahead.

SECTION 4 – CONCLUSIONS

A review of vehicle speeds, pedestrian activity, and collision data for the Business and Historic District area of Downtown Leesburg was completed. The primary goals of the study were to review the potential for lowering posted speed limits within the Downtown area pursuant to the updated Virginia Code legislation. A summary of the conclusions is provided as follows:

- The average 85th percentile speeds within the core Downtown are consistent with the posted 25 mph speed limit.
- The average speed throughout the study area was 21 mph, indicating that motorists understand they are entering and exiting a high activity area and need to reduce speeds.
- While the collision data does not indicate a high number of collisions related to pedestrian activity and/or high operating speeds in the Downtown Area, the referenced data and safety studies affirm that the risk of fatalities would be reduced with a lower speed zone once implemented.
- Based on the evaluation of speed data, improvements to pedestrian safety, and matching existing driver expectations, a reduced 20 mph speed zone is recommended for Downtown Leesburg south of North Street from the North, east of Ayr Street from the west, and at the study area boundary from the east and south. Speed transition areas are recommended at three (3) locations within the study area. The reduced speed limit zone will need to be indicated by ordinance along with lawfully placed signs including consideration of side street treatments, advanced warning signage, and “Addition Fee” signs.

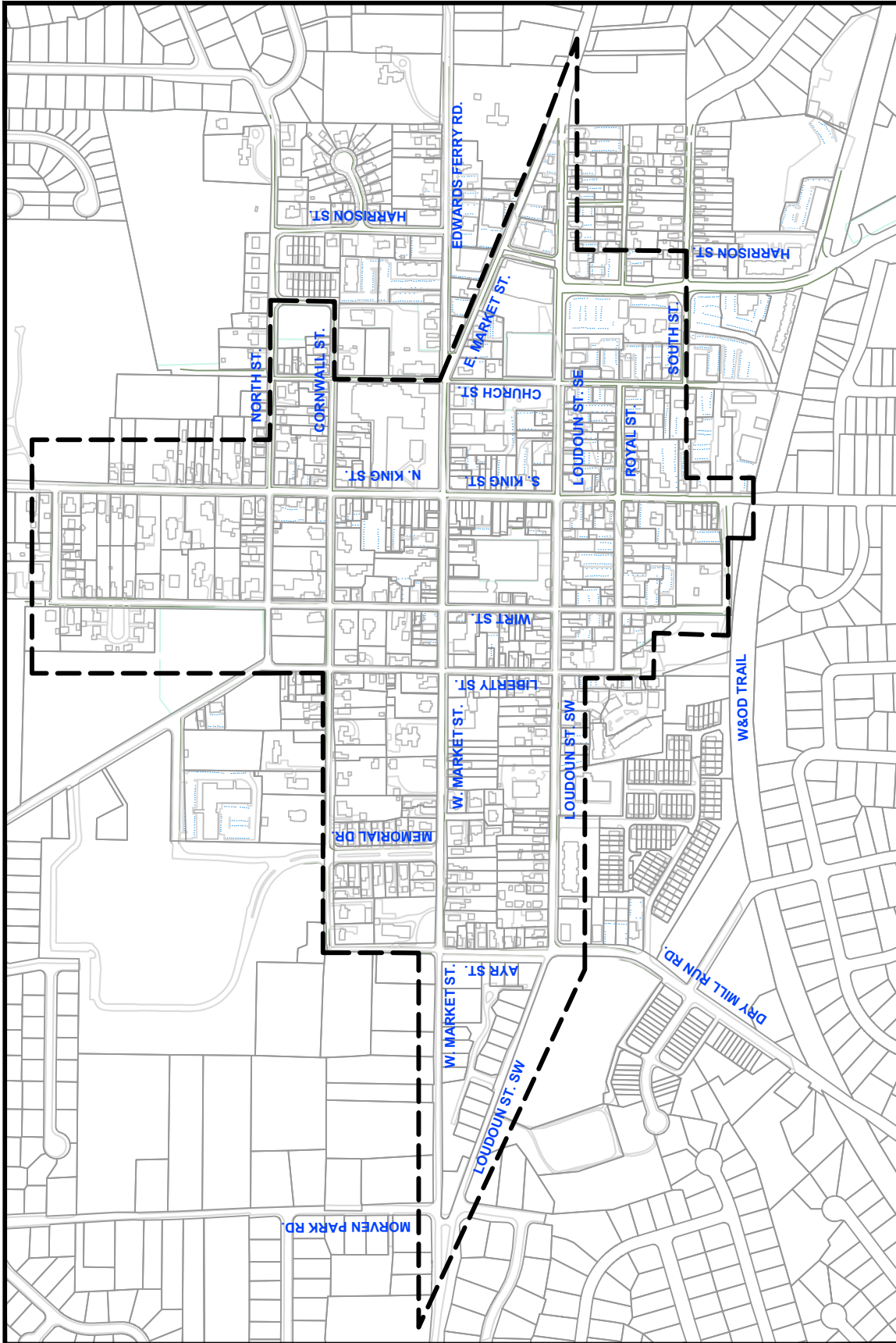


Figure 1
Study Limits

Study Limits



Downtown Leesburg Speed Study
Town of Leesburg, VA

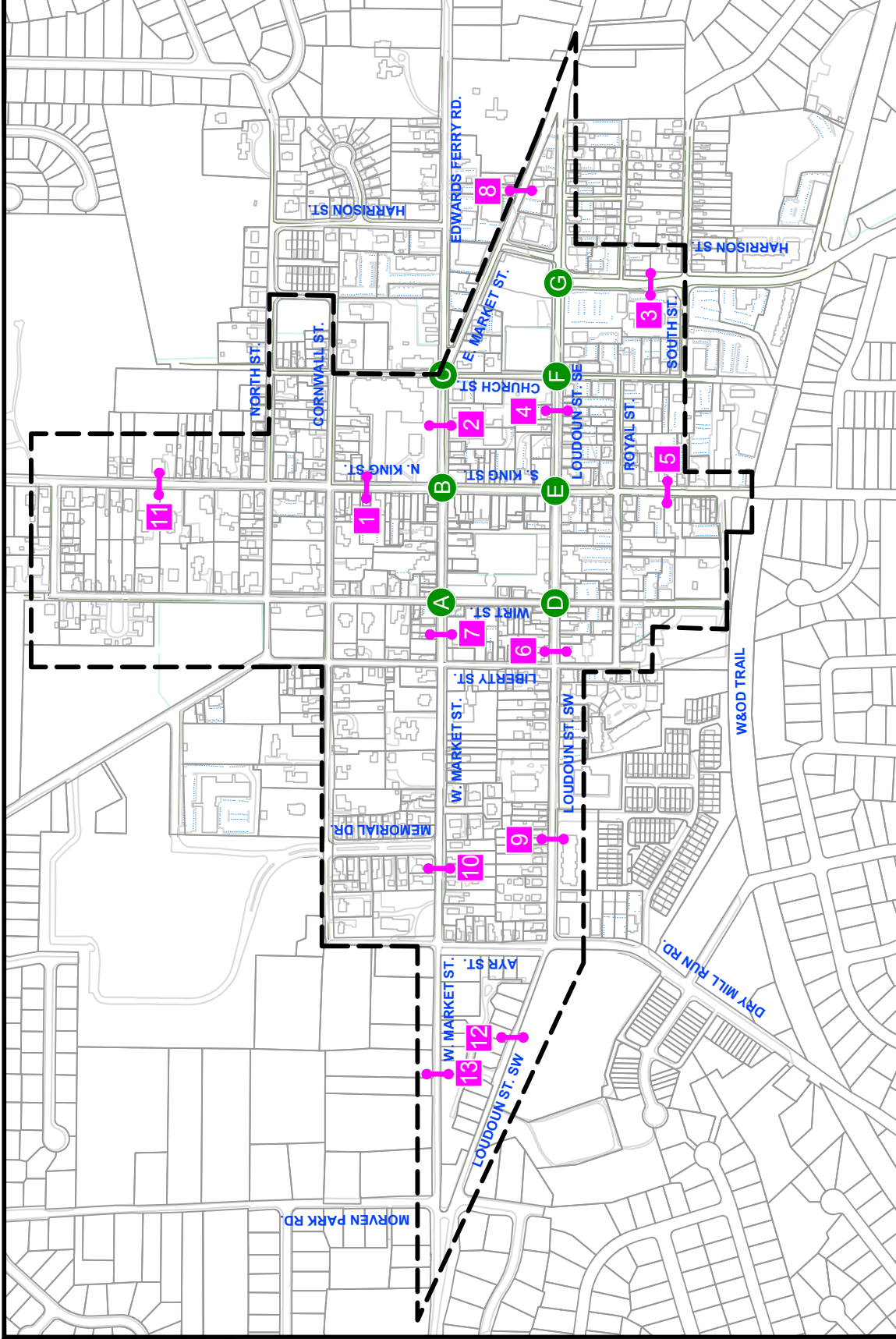





Figure 2
Pedestrian & Speed Limit Study Locations

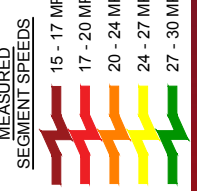
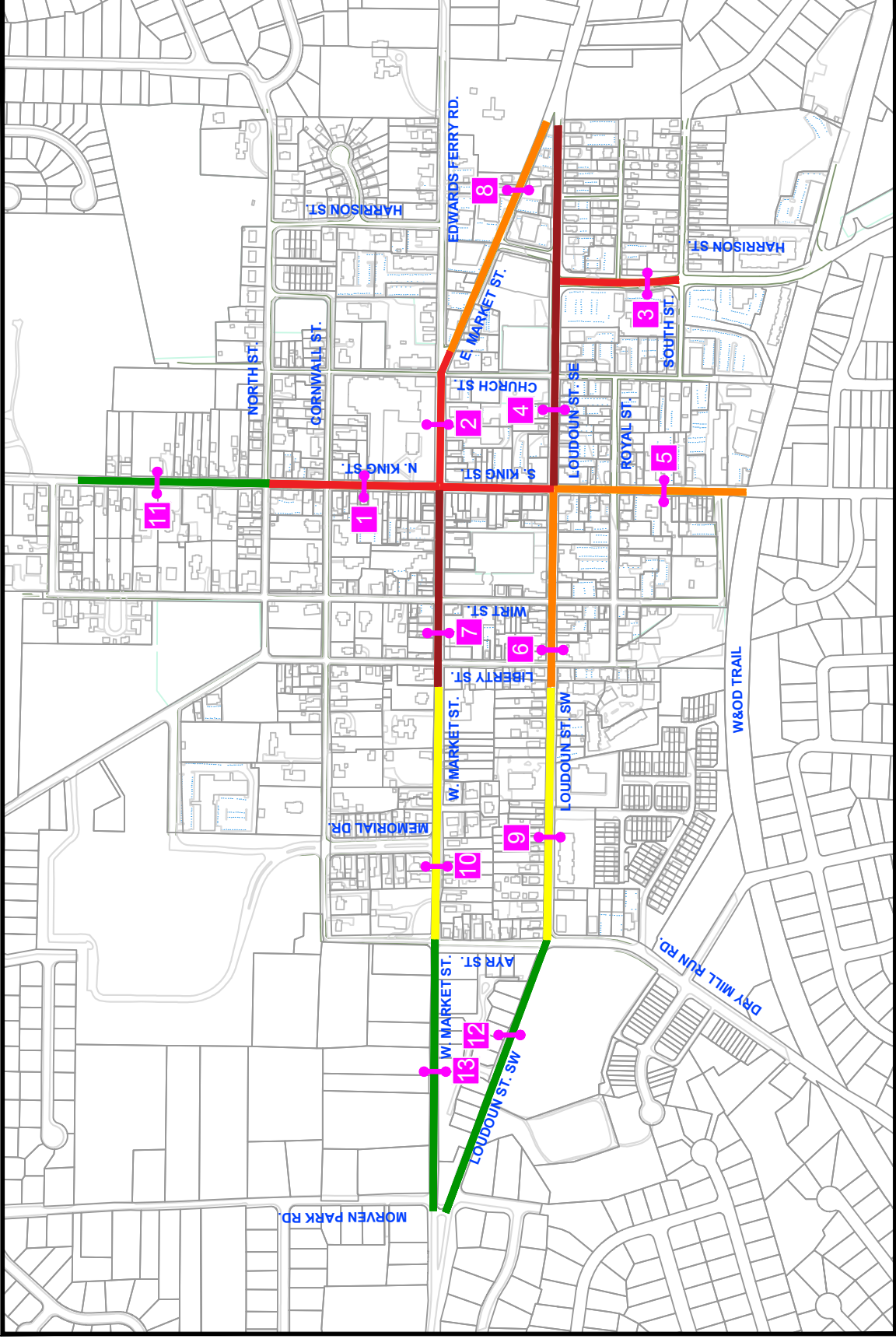
-  Study Limits
-  # Speed Location
-  Volume & Pedestrian Count



Downtown Leesburg Speed Study
Town of Leesburg, VA



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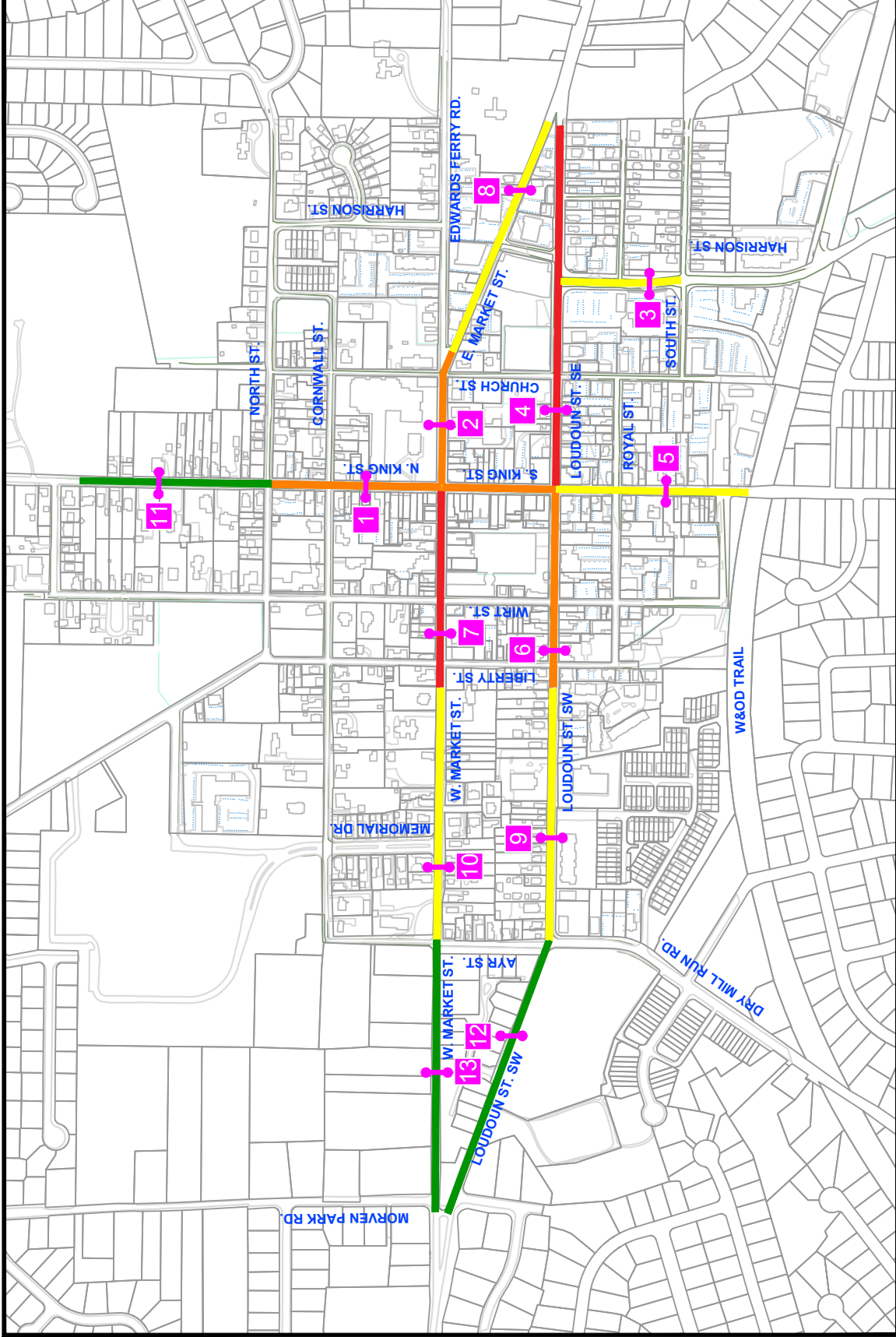


NORTH
 Downtown Leesburg Speed Study
 Town of Leesburg, VA

Figure 3A
 Average Measured Vehicle Speed



10



NORTH
Downtown Leesburg Speed Study
Town of Leesburg, VA

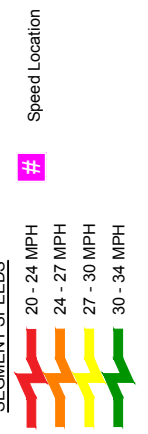


Figure 3B
85th Percentile Measured Vehicle Speed



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● LTR Pedestrian Count Location
➔ 0/0 Directional Pedestrian Volume - Midday Peak Hours/PM Peak Hours

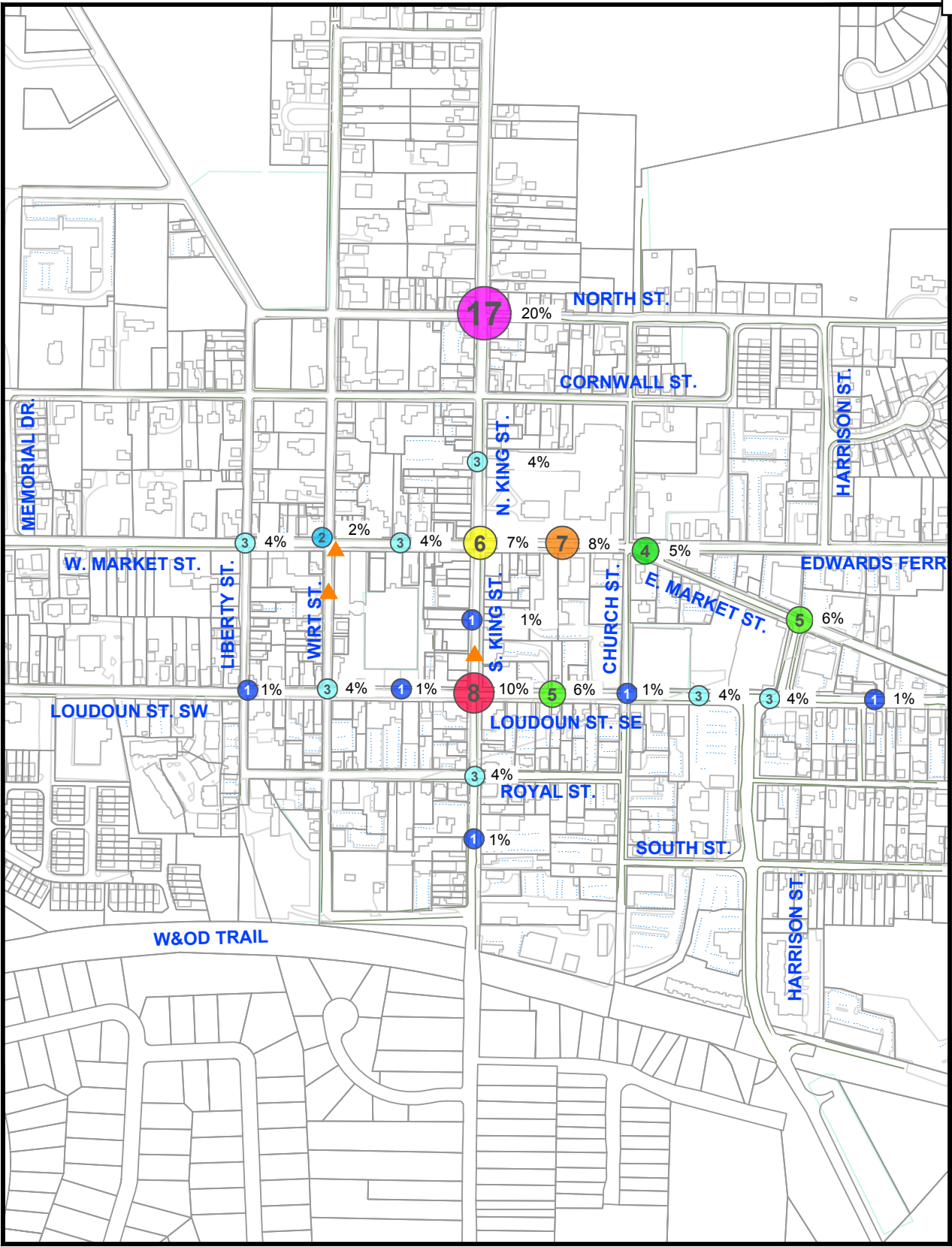
Figure 4
 Mid-Day (12pm-1pm) and Evening (7pm-8pm) Peak Hour Pedestrian Counts



Downtown Leesburg Speed Study
Town of Leesburg, VA



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XX% Number of Vehicular Collisions and Percentage of Total Reported
 ▲ Pedestrian Accident Location

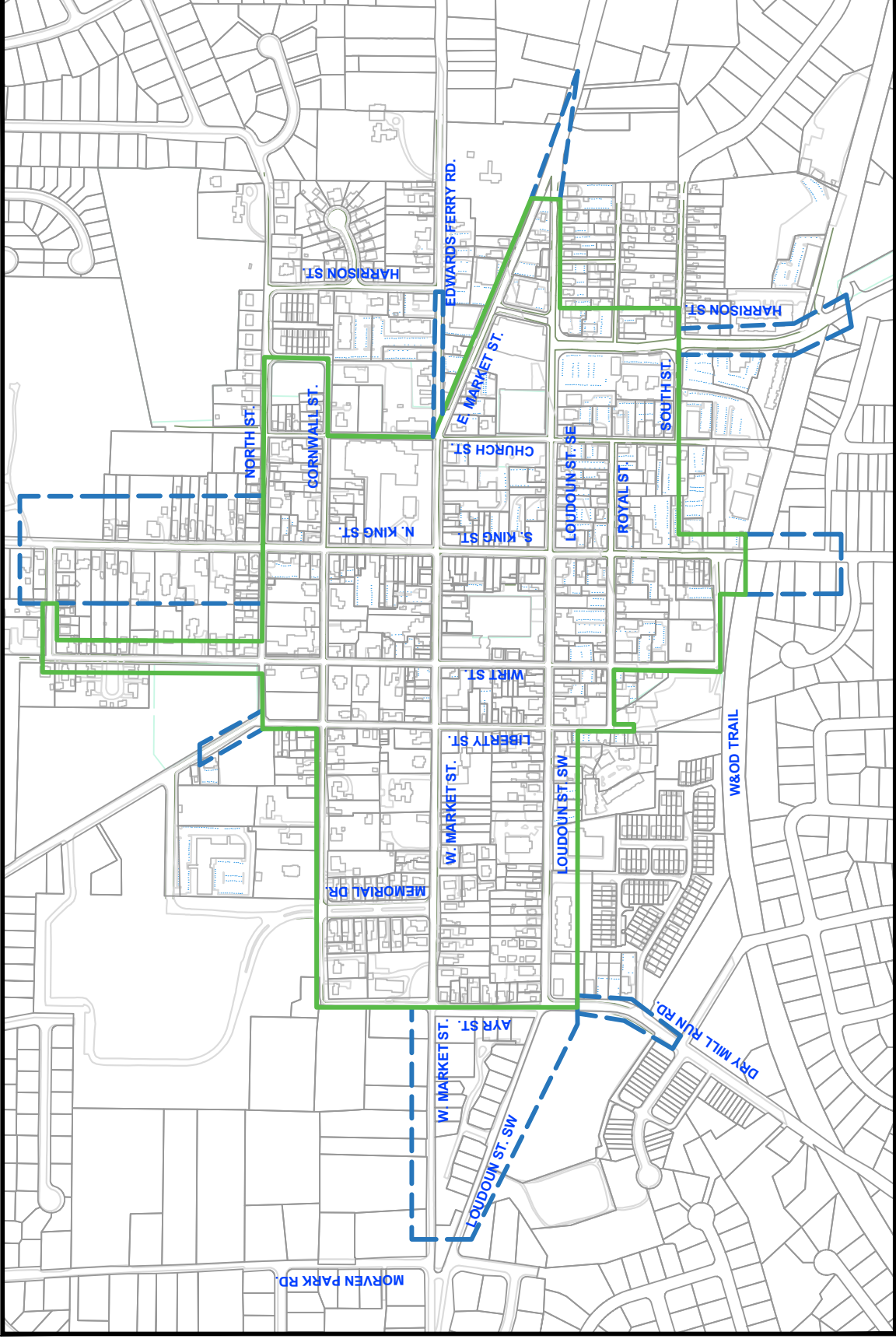


Figure 5
 Downtown Crash Summary
 Crash Incident data: July 1, 2014 through September 3, 2017

Downtown Leesburg Speed Study
 Town of Leesburg, VA



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Speed Transition Zones
 20 MPH Zone

Figure 6
 20 MPH Area Boundaries

Downtown Leesburg Speed Study
 Town of Leesburg, VA



**APPENDIX A.1
SPEED COUNT DATA**



**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: West Market Street SW
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 136064. The study was done in the EB 6064 lane at West Market Street SW in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2,923 vehicles passed through the location with a peak volume of 84 on 09/30/2021 at [07:45 AM-08:00 AM] and a minimum volume of 22 on 09/30/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 5,396.

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 2.11% vehicles exceeding the posted speed of 25 MPH. 0.64% 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 24.46 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
60	464	1011	803	207	52	19	9	28						

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 2249 which represents 85 percent of the total classified vehicles. The number of Vans & Pickups in the study was 304 which represents 11 percent of the total classified vehicles. The number of Busses & Trucks in the study was 68 which represents 3 percent of the total classified vehicles. The number of Tractor Trailers in the study was 28 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
2249	247	57	34	22	15	16	13							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [07:45 AM-08:00 AM] the average headway between vehicles was 10.588 seconds. During the slowest traffic period, on 09/30/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 39.13 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 59.00 and 104.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: N. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400358. The study was done in the NB 358 lane at N. King Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,256 vehicles passed through the location with a peak volume of 98 on 09/30/2021 at [06:00 PM-06:15 PM] and a minimum volume of 15 on 09/30/2021 at [06:15 AM-06:30 AM]. The AADT count for this study was 6,011.

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 21 MPH with 1.11% vehicles exceeding the posted speed of 25 MPH. 0.22% 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 27.29 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
176	251	799	1239	621	126	19	7	10						

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 1391 which represents 43 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1569 which represents 48 percent of the total classified vehicles. The number of Busses & Trucks in the study was 200 which represents 6 percent of the total classified vehicles. The number of Tractor Trailers in the study was 76 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1391	1138	431	137	43	37	26	45							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [06:00 PM-06:15 PM] the average headway between vehicles was 9.091 seconds. During the slowest traffic period, on 09/30/2021 at [06:15 AM-06:30 AM] the average headway between vehicles was 56.25 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 106.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Loudoun Street SW
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400366. The study was done in the WB 366 lane at Loudoun Street SW in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2,146 vehicles passed through the location with a peak volume of 84 on 09/30/2021 at [05:00 PM-05:15 PM] and a minimum volume of 6 on 09/30/2021 at [06:15 AM-06:30 AM]. The AADT count for this study was 3,962.

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 20 MPH with 2.58% vehicles exceeding the posted speed of 25 MPH. 0.56% 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 26.20 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
370	109	469	770	312	47	21	12	22						

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 1036 which represents 49 percent of the total classified vehicles. The number of Vans & Pickups in the study was 733 which represents 35 percent of the total classified vehicles. The number of Buses & Trucks in the study was 295 which represents 14 percent of the total classified vehicles. The number of Tractor Trailers in the study was 46 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1036	485	248	167	92	48	18	38							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [05:00 PM-05:15 PM] the average headway between vehicles was 10.588 seconds. During the slowest traffic period, on 09/30/2021 at [06:15 AM-06:30 AM] the average headway between vehicles was 128.571 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 100.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: S. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400588. The study was done in the SB 588 lane at S. King Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2,814 vehicles passed through the location with a peak volume of 86 on 09/30/2021 at [05:45 PM-06:00 PM] and a minimum volume of 11 on 09/30/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 5,195.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 23 MPH with 1.67% vehicles exceeding the posted speed of 25 MPH. 0.25% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 29.22 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
212	62	292	968	1016	216	19	10	18						

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 1345 which represents 48 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1257 which represents 45 percent of the total classified vehicles. The number of Busses & Trucks in the study was 167 which represents 6 percent of the total classified vehicles. The number of Tractor Trailers in the study was 44 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1345	885	372	113	38	25	20	15							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [05:45 PM-06:00 PM] the average headway between vehicles was 10.345 seconds. During the slowest traffic period, on 09/30/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 75 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: West Market Street SW
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400589. The study was done in the WB 589 lane at West Market Street SW in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,881 vehicles passed through the location with a peak volume of 122 on 09/30/2021 at [04:00 PM-04:15 PM] and a minimum volume of 15 on 09/30/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 7,165.

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 23 MPH with 1.06% vehicles exceeding the posted speed of 25 MPH. 0.18% 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 28.02 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
132	116	592	1849	994	153	23	7	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 1751 which represents 45 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1719 which represents 44 percent of the total classified vehicles. The number of Busses & Trucks in the study was 336 which represents 9 percent of the total classified vehicles. The number of Tractor Trailers in the study was 64 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1751	1218	501	222	83	43	23	36							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [04:00 PM-04:15 PM] the average headway between vehicles was 7.317 seconds. During the slowest traffic period, on 09/30/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 56.25 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Leesburg
Street: Loudoun Street SE
Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400641. The study was done in the WB 641 lane at Loudoun Street SE in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,069 vehicles passed through the location with a peak volume of 120 on 09/30/2021 at [05:00 PM-05:15 PM] and a minimum volume of 7 on 09/30/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 5,666.

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 15 MPH with 0.85% vehicles exceeding the posted speed of 25 MPH. 0.43% 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 21.11 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
666	860	961	410	104	20	6	2	18						

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 1955 which represents 64 percent of the total classified vehicles. The number of Vans & Pickups in the study was 850 which represents 28 percent of the total classified vehicles. The number of Busses & Trucks in the study was 181 which represents 6 percent of the total classified vehicles. The number of Tractor Trailers in the study was 48 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1955	628	222	103	49	36	18	36							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [05:00 PM-05:15 PM] the average headway between vehicles was 7.438 seconds. During the slowest traffic period, on 09/30/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 112.5 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 100.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Loudoun Street SW
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400875. The study was done in the EB 875 lane at Loudoun Street SW in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,096 vehicles passed through the location with a peak volume of 105 on 09/30/2021 at [07:45 AM-08:00 AM] and a minimum volume of 35 on 09/30/2021 at [10:00 AM-10:15 AM]. The AADT count for this study was 5,716.

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 20 MPH with 0.29% vehicles exceeding the posted speed of 25 MPH. 0.03% 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 26.13 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
296	192	803	1215	519	55	4	2	3						

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 1657 which represents 54 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1186 which represents 38 percent of the total classified vehicles. The number of Busses & Trucks in the study was 215 which represents 7 percent of the total classified vehicles. The number of Tractor Trailers in the study was 28 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1657	837	349	143	51	25	13	14							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [07:45 AM-08:00 AM] the average headway between vehicles was 8.491 seconds. During the slowest traffic period, on 09/30/2021 at [10:00 AM-10:15 AM] the average headway between vehicles was 25 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 52.00 and 77.00 degrees F.

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Leesburg
Street: Harrison Street
Location: Downtown Leesburg

A study of vehicle traffic was conducted with the device having serial number 400876. The study was done in the NB 876 lane at Harrison Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 1,314 vehicles passed through the location with a peak volume of 46 on 09/30/2021 at [05:00 PM-05:15 PM] and a minimum volume of 6 on 09/30/2021 at [06:15 AM-06:30 AM]. The AADT count for this study was 2,426.

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 21 MPH with 4.29% vehicles exceeding the posted speed of 25 MPH. 1.23% 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 27.65 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
156	96	312	414	243	29	16	9	31						

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 684 which represents 52 percent of the total classified vehicles. The number of Vans & Pickups in the study was 486 which represents 37 percent of the total classified vehicles. The number of Busses & Trucks in the study was 106 which represents 8 percent of the total classified vehicles. The number of Tractor Trailers in the study was 27 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
684	339	147	56	29	23	9	19							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [05:00 PM-05:15 PM] the average headway between vehicles was 19.149 seconds. During the slowest traffic period, on 09/30/2021 at [06:15 AM-06:30 AM] the average headway between vehicles was 128.571 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: S. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401064. The study was done in the NB 1064 lane at S. King Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,476 vehicles passed through the location with a peak volume of 103 on 09/30/2021 at [05:45 PM-06:00 PM] and a minimum volume of 11 on 09/30/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 6,417.

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 21 MPH with 0.95% vehicles exceeding the posted speed of 25 MPH. 0.26% 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 26.85 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
207	347	884	1295	578	128	19	1	13						

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 1673 which represents 48 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1516 which represents 44 percent of the total classified vehicles. The number of Busses & Trucks in the study was 200 which represents 6 percent of the total classified vehicles. The number of Tractor Trailers in the study was 79 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1673	1128	388	134	46	29	24	50							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [05:45 PM-06:00 PM] the average headway between vehicles was 8.654 seconds. During the slowest traffic period, on 09/30/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 75 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Harrison Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401134. The study was done in the SB 1134 lane at Harrison Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 1,472 vehicles passed through the location with a peak volume of 53 on 09/30/2021 at [12:00 PM-12:15 PM] and a minimum volume of 4 on 09/30/2021 at [06:45 AM-07:00 AM]. The AADT count for this study was 2,718.

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 21 MPH with 6.88% vehicles exceeding the posted speed of 25 MPH. 2.48% 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 28.46 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
187	211	339	340	211	66	32	21	47						

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 734 which represents 51 percent of the total classified vehicles. The number of Vans & Pickups in the study was 441 which represents 31 percent of the total classified vehicles. The number of Buses & Trucks in the study was 198 which represents 14 percent of the total classified vehicles. The number of Tractor Trailers in the study was 67 which represents 5 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
734	313	128	111	59	35	19	55							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [12:00 PM-12:15 PM] the average headway between vehicles was 16.667 seconds. During the slowest traffic period, on 09/30/2021 at [06:45 AM-07:00 AM] the average headway between vehicles was 180 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: West Market Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401202. The study was done in the EB 1202 lane at West Market Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 4,070 vehicles passed through the location with a peak volume of 113 on 09/30/2021 at [12:00 PM-12:15 PM] and a minimum volume of 23 on 09/30/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 7,514.

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 19 MPH with 0.52% vehicles exceeding the posted speed of 25 MPH. 0.12% 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 24.71 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
315	503	1242	1477	463	45	11	2	8						

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 1890 which represents 47 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1838 which represents 45 percent of the total classified vehicles. The number of Busses & Trucks in the study was 284 which represents 7 percent of the total classified vehicles. The number of Tractor Trailers in the study was 49 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1890	1338	500	183	63	46	20	26							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [12:00 PM-12:15 PM] the average headway between vehicles was 7.895 seconds. During the slowest traffic period, on 09/30/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 37.5 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 100.00 degrees F.

**MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Leesburg
Street: West Market Street
Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401211. The study was done in the WB 1211 lane at West Market Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 4,757 vehicles passed through the location with a peak volume of 134 on 09/30/2021 at [05:30 PM-05:45 PM] and a minimum volume of 21 on 09/30/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 8,782.

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 14 MPH with 0.34% vehicles exceeding the posted speed of 25 MPH. 0.13% 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 20.99 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 >						
1167	1377	1290	624	174	22	5	4	7						

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 2057 which represents 44 percent of the total classified vehicles. The number of Vans & Pickups in the study was 2142 which represents 46 percent of the total classified vehicles. The number of Busses & Trucks in the study was 351 which represents 8 percent of the total classified vehicles. The number of Tractor Trailers in the study was 107 which represents 2 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 >							
2057	1531	611	240	85	41	28	77							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [05:30 PM-05:45 PM] the average headway between vehicles was 6.667 seconds. During the slowest traffic period, on 09/30/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 40.909 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 61.00 and 100.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Loudoun Street SE
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401212. The study was done in the EB 1212 lane at Loudoun Street SE in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,649 vehicles passed through the location with a peak volume of 105 on 09/30/2021 at [12:00 PM-12:15 PM] and a minimum volume of 35 on 09/30/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 6,737.

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 20 MPH with 0.80% vehicles exceeding the posted speed of 25 MPH. 0.19% 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 26.07 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
256	234	1011	1472	539	97	15	1	13						

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 1629 which represents 45 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1535 which represents 42 percent of the total classified vehicles. The number of Buses & Trucks in the study was 432 which represents 12 percent of the total classified vehicles. The number of Tractor Trailers in the study was 37 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1629	1045	490	285	111	43	13	22							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [12:00 PM-12:15 PM] the average headway between vehicles was 8.491 seconds. During the slowest traffic period, on 09/30/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 25 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 100.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: N. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401263. The study was done in the SB 1263 lane at N. King Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 06:00 AM and concluded on 09/30/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 4,139 vehicles passed through the location with a peak volume of 119 on 09/30/2021 at [04:00 PM-04:15 PM] and a minimum volume of 15 on 09/30/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 7,641.

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 16 MPH with 0.46% vehicles exceeding the posted speed of 25 MPH. 0.10% 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 23.01 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
899	844	1167	969	195	24	9	2	8						

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 2469 which represents 60 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1408 which represents 34 percent of the total classified vehicles. The number of Busses & Trucks in the study was 179 which represents 4 percent of the total classified vehicles. The number of Tractor Trailers in the study was 54 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
2469	1099	309	101	51	35	24	29							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [04:00 PM-04:15 PM] the average headway between vehicles was 7.5 seconds. During the slowest traffic period, on 09/30/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 56.25 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 61.00 and 108.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: West Market Street SW
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 136064. The study was done in the EB 6064 lane at West Market Street SW in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,034 vehicles passed through the location with a peak volume of 81 on 10/01/2021 at [03:15 PM-03:30 PM] and a minimum volume of 19 on 10/01/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 5,601.

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 19 MPH with 1.08% vehicles exceeding the posted speed of 25 MPH. 0.32% 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 24.37 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
70	541	988	865	253	24	4	9	17						

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 2370 which represents 86 percent of the total classified vehicles. The number of Vans & Pickups in the study was 327 which represents 12 percent of the total classified vehicles. The number of Busses & Trucks in the study was 59 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 15 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
2370	262	65	35	14	15	1	9							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [03:15 PM-03:30 PM] the average headway between vehicles was 10.976 seconds. During the slowest traffic period, on 10/01/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 45 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 104.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: N. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400358. The study was done in the NB 358 lane at N. King Street in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2,705 vehicles passed through the location with a peak volume of 102 on 10/01/2021 at [03:00 PM-03:15 PM] and a minimum volume of 15 on 10/01/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 4,994.

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 21 MPH with 1.11% vehicles exceeding the posted speed of 25 MPH. 0.37% 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 26.89 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
189	253	687	965	482	88	13	3	14						

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 1184 which represents 44 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1263 which represents 47 percent of the total classified vehicles. The number of Busses & Trucks in the study was 184 which represents 7 percent of the total classified vehicles. The number of Tractor Trailers in the study was 47 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1184	885	378	130	35	22	21	39							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [03:00 PM-03:15 PM] the average headway between vehicles was 8.738 seconds. During the slowest traffic period, on 10/01/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 56.25 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 109.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Loudoun Street SW
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400366. The study was done in the WB 366 lane at Loudoun Street SW in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2,263 vehicles passed through the location with a peak volume of 93 on 10/01/2021 at [03:30 PM-03:45 PM] and a minimum volume of 7 on 10/01/2021 at [06:15 AM-06:30 AM]. The AADT count for this study was 4,178.

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 19 MPH with 1.56% vehicles exceeding the posted speed of 25 MPH. 0.22% 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 25.30 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
384	122	620	751	279	59	17	9	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 1112 which represents 50 percent of the total classified vehicles. The number of Vans & Pickups in the study was 828 which represents 37 percent of the total classified vehicles. The number of Buses & Trucks in the study was 251 which represents 11 percent of the total classified vehicles. The number of Tractor Trailers in the study was 38 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1112	551	277	149	71	41	10	39							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [03:30 PM-03:45 PM] the average headway between vehicles was 9.574 seconds. During the slowest traffic period, on 10/01/2021 at [06:15 AM-06:30 AM] the average headway between vehicles was 112.5 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: S. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400588. The study was done in the SB 588 lane at S. King Street in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2,689 vehicles passed through the location with a peak volume of 86 on 10/01/2021 at [02:00 PM-02:15 PM] and a minimum volume of 8 on 10/01/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 4,964.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 23 MPH with 1.68% vehicles exceeding the posted speed of 25 MPH. 0.30% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 28.98 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
233	96	292	915	925	179	24	6	15						

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 1303 which represents 49 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1148 which represents 43 percent of the total classified vehicles. The number of Busses & Trucks in the study was 178 which represents 7 percent of the total classified vehicles. The number of Tractor Trailers in the study was 46 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1303	772	376	132	27	27	15	33							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [02:00 PM-02:15 PM] the average headway between vehicles was 10.345 seconds. During the slowest traffic period, on 10/01/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 100 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: West Market Street SW
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400589. The study was done in the WB 589 lane at West Market Street SW in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,790 vehicles passed through the location with a peak volume of 144 on 10/01/2021 at [03:45 PM-04:00 PM] and a minimum volume of 17 on 10/01/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 6,997.

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 22 MPH with 0.93% vehicles exceeding the posted speed of 25 MPH. 0.05% 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 27.79 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
137	130	641	1805	874	158	26	5	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 Passenger Vehicles. The number of Passenger Vehicles in the study was 1691 which represents 45 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1673 which represents 44 percent of the total classified vehicles. The number of Busses & Trucks in the study was 338 which represents 9 percent of the total classified vehicles. The number of Tractor Trailers in the study was 65 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1691	1170	503	228	82	40	23	43							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [03:45 PM-04:00 PM] the average headway between vehicles was 6.207 seconds. During the slowest traffic period, on 10/01/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 50 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Loudoun Street SE
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400641. The study was done in the WB 641 lane at Loudoun Street SE in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,323 vehicles passed through the location with a peak volume of 111 on 10/01/2021 at [05:15 PM-05:30 PM] and a minimum volume of 6 on 10/01/2021 at [06:15 AM-06:30 AM]. The AADT count for this study was 6,135.

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 13 MPH with 0.91% vehicles exceeding the posted speed of 25 MPH. 0.36% 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 19.54 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
1067	1000	786	305	80	20	6	4	20						

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 2134 which represents 65 percent of the total classified vehicles. The number of Vans & Pickups in the study was 869 which represents 27 percent of the total classified vehicles. The number of Busses & Trucks in the study was 203 which represents 6 percent of the total classified vehicles. The number of Tractor Trailers in the study was 66 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
2134	660	209	116	50	46	16	57							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [05:15 PM-05:30 PM] the average headway between vehicles was 8.036 seconds. During the slowest traffic period, on 10/01/2021 at [06:15 AM-06:30 AM] the average headway between vehicles was 128.571 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Loudoun Street SW
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400875. The study was done in the EB 875 lane at Loudoun Street SW in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,317 vehicles passed through the location with a peak volume of 105 on 10/01/2021 at [08:15 AM-08:30 AM] and a minimum volume of 38 on 10/01/2021 at [02:15 PM-02:30 PM]. The AADT count for this study was 6,124.

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 20 MPH with 0.24% vehicles exceeding the posted speed of 25 MPH. 0.03% 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 25.74 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
296	247	963	1222	527	46	5	2	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 1821 which represents 55 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1226 which represents 37 percent of the total classified vehicles. The number of Busses & Trucks in the study was 224 which represents 7 percent of the total classified vehicles. The number of Tractor Trailers in the study was 31 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1821	899	327	153	57	20	10	22							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [08:15 AM-08:30 AM] the average headway between vehicles was 8.491 seconds. During the slowest traffic period, on 10/01/2021 at [02:15 PM-02:30 PM] the average headway between vehicles was 23.077 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 48.00 and 72.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Harrison Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400876. The study was done in the NB 876 lane at Harrison Street in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 1,592 vehicles passed through the location with a peak volume of 61 on 10/01/2021 at [06:15 PM-06:30 PM] and a minimum volume of 2 on 10/01/2021 at [06:15 AM-06:30 AM]. The AADT count for this study was 2,939.

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 18 MPH with 2.79% vehicles exceeding the posted speed of 25 MPH. 0.76% 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 26.04 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
290	216	412	381	183	52	14	9	21						

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 889 which represents 56 percent of the total classified vehicles. The number of Vans & Pickups in the study was 525 which represents 33 percent of the total classified vehicles. The number of Busses & Trucks in the study was 122 which represents 8 percent of the total classified vehicles. The number of Tractor Trailers in the study was 38 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
889	365	160	79	29	18	13	25							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [06:15 PM-06:30 PM] the average headway between vehicles was 14.516 seconds. During the slowest traffic period, on 10/01/2021 at [06:15 AM-06:30 AM] the average headway between vehicles was 300 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 109.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: S. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401064. The study was done in the NB 1064 lane at S. King Street in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,598 vehicles passed through the location with a peak volume of 108 on 10/01/2021 at [03:15 PM-03:30 PM] and a minimum volume of 13 on 10/01/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 6,642.

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 20 MPH with 0.75% vehicles exceeding the posted speed of 25 MPH. 0.22% 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 25.77 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
255	425	978	1309	517	78	14	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 1778 which represents 50 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1569 which represents 44 percent of the total classified vehicles. The number of Busses & Trucks in the study was 181 which represents 5 percent of the total classified vehicles. The number of Tractor Trailers in the study was 57 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1778	1165	404	124	36	27	18	37							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [03:15 PM-03:30 PM] the average headway between vehicles was 8.257 seconds. During the slowest traffic period, on 10/01/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 64.286 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Harrison Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401134. The study was done in the SB 1134 lane at Harrison Street in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 1,936 vehicles passed through the location with a peak volume of 80 on 10/01/2021 at [05:15 PM-05:30 PM] and a minimum volume of 2 on 10/01/2021 at [06:30 AM-06:45 AM]. The AADT count for this study was 3,574.

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 19 MPH with 4.68% vehicles exceeding the posted speed of 25 MPH. 1.35% 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 26.53 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
291	389	500	377	212	64	24	19	47						

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 992 which represents 52 percent of the total classified vehicles. The number of Vans & Pickups in the study was 630 which represents 33 percent of the total classified vehicles. The number of Buses & Trucks in the study was 213 which represents 11 percent of the total classified vehicles. The number of Tractor Trailers in the study was 74 which represents 4 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
992	430	200	102	66	53	19	61							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [05:15 PM-05:30 PM] the average headway between vehicles was 11.111 seconds. During the slowest traffic period, on 10/01/2021 at [06:30 AM-06:45 AM] the average headway between vehicles was 300 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 106.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: West Market Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401202. The study was done in the EB 1202 lane at West Market Street in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 4,397 vehicles passed through the location with a peak volume of 135 on 10/01/2021 at [04:15 PM-04:30 PM] and a minimum volume of 23 on 10/01/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 8,118.

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 19 MPH with 2.06% vehicles exceeding the posted speed of 25 MPH. 0.78% 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 24.84 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
387	558	1380	1422	434	101	23	16	51						

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 1948 which represents 45 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1947 which represents 45 percent of the total classified vehicles. The number of Busses & Trucks in the study was 372 which represents 9 percent of the total classified vehicles. The number of Tractor Trailers in the study was 88 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1948	1381	566	231	95	60	25	66							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [04:15 PM-04:30 PM] the average headway between vehicles was 6.618 seconds. During the slowest traffic period, on 10/01/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 37.5 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: West Market Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401211. The study was done in the WB 1211 lane at West Market Street in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 4,772 vehicles passed through the location with a peak volume of 150 on 10/01/2021 at [04:30 PM-04:45 PM] and a minimum volume of 22 on 10/01/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 8,810.

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 14 MPH with 0.71% vehicles exceeding the posted speed of 25 MPH. 0.17% 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 19.99 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
1289	1531	1127	500	146	39	14	7	12						

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 2141 which represents 46 percent of the total classified vehicles. The number of Vans & Pickups in the study was 2052 which represents 44 percent of the total classified vehicles. The number of Busses & Trucks in the study was 336 which represents 7 percent of the total classified vehicles. The number of Tractor Trailers in the study was 113 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
2141	1414	638	230	62	60	46	74							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [04:30 PM-04:45 PM] the average headway between vehicles was 5.96 seconds. During the slowest traffic period, on 10/01/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 39.13 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 100.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Loudoun Street SE
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401212. The study was done in the EB 1212 lane at Loudoun Street SE in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 4,081 vehicles passed through the location with a peak volume of 122 on 10/01/2021 at [05:00 PM-05:15 PM] and a minimum volume of 33 on 10/01/2021 at [06:15 AM-06:30 AM]. The AADT count for this study was 7,534.

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 19 MPH with 0.39% vehicles exceeding the posted speed of 25 MPH. 0.10% 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 24.85 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
354	528	1267	1343	488	71	7	4	5						

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 1856 which represents 46 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1709 which represents 42 percent of the total classified vehicles. The number of Buses & Trucks in the study was 451 which represents 11 percent of the total classified vehicles. The number of Tractor Trailers in the study was 47 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1856	1180	529	311	113	34	18	26							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [05:00 PM-05:15 PM] the average headway between vehicles was 7.317 seconds. During the slowest traffic period, on 10/01/2021 at [06:15 AM-06:30 AM] the average headway between vehicles was 26.471 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: N. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401263. The study was done in the SB 1263 lane at N. King Street in Leesburg, VA in Loudoun County county. The study began on 10/01/2021 at 06:00 AM and concluded on 10/01/2021 at 07:00 PM, lasting a total of 13.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 4,267 vehicles passed through the location with a peak volume of 112 on 10/01/2021 at [04:15 PM-04:30 PM] and a minimum volume of 19 on 10/01/2021 at [06:00 AM-06:15 AM]. The AADT count for this study was 7,878.

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 15 MPH with 0.66% vehicles exceeding the posted speed of 25 MPH. 0.38% 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 22.45 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
1042	959	1210	796	178	30	7	3	18						

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 2621 which represents 62 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1327 which represents 31 percent of the total classified vehicles. The number of Busses & Trucks in the study was 221 which represents 5 percent of the total classified vehicles. The number of Tractor Trailers in the study was 68 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
2621	1011	316	136	50	49	24	36							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [04:15 PM-04:30 PM] the average headway between vehicles was 7.965 seconds. During the slowest traffic period, on 10/01/2021 at [06:00 AM-06:15 AM] the average headway between vehicles was 45 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 59.00 and 109.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: E, Market St just E of Harrison
 Location: EB E. Market st just E of Harrison St**

A study of vehicle traffic was conducted with the device having serial number 301879. The study was done in the 2 lane at E, Market St just E of Harrison in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 2,814 vehicles passed through the location with a peak volume of 305 on 09/28/2022 at [02:00 PM-03:00 PM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 2,814.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 26 MPH with 59.23% vehicles exceeding the posted speed of 25 MPH. 0.32% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 30.95 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 >
30	39	174	895	1158	399	70	8	6	3	2	1	0	3	3

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 2069 which represents 74 percent of the total classified vehicles. The number of Vans & Pickups in the study was 610 which represents 22 percent of the total classified vehicles. The number of Busses & Trucks in the study was 68 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 35 which represents 1 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 >							
2069	490	120	41	17	14	13	27							

CHART 2

HEADWAY

During the peak traffic period, on 09/28/2022 at [02:00 PM-03:00 PM] the average headway between vehicles was 11.765 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 90.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: E. Market Str near Harrison Str
 Location: WB E. Market St**

A study of vehicle traffic was conducted with the device having serial number 300914. The study was done in the 2 lane at E. Market Str near Harrison Str in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 3,995 vehicles passed through the location with a peak volume of 457 on 09/28/2022 at [04:00 PM-05:00 PM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 3,995.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 24 MPH with 47.08% vehicles exceeding the posted speed of 25 MPH. 0.05% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 29.64 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 >
103	193	504	1286	1362	418	65	9	0	0	1	0	0	1	0

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 3256 which represents 83 percent of the total classified vehicles. The number of Vans & Pickups in the study was 552 which represents 14 percent of the total classified vehicles. The number of Busses & Trucks in the study was 90 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 33 which represents 1 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 >							
3256	471	81	33	33	26	16	26							

CHART 2

HEADWAY

During the peak traffic period, on 09/28/2022 at [04:00 PM-05:00 PM] the average headway between vehicles was 7.86 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 95.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: W. Loudoun ST E of Dry Mill Rd
 Location: eastbound W. Loudoun ST**

A study of vehicle traffic was conducted with the device having serial number 301877. The study was done in the 2 lane at W. Loudoun ST E of Dry Mill Rd in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 2,400 vehicles passed through the location with a peak volume of 371 on 09/29/2022 at [08:00 AM-09:00 AM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 2,400.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 28 MPH with 82.67% vehicles exceeding the posted speed of 25 MPH. 0.17% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 33.33 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 >
14	12	29	344	1123	653	104	14	4	2	1	0	1	0	2

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 1557 which represents 68 percent of the total classified vehicles. The number of Vans & Pickups in the study was 684 which represents 30 percent of the total classified vehicles. The number of Busses & Trucks in the study was 33 which represents 1 percent of the total classified vehicles. The number of Tractor Trailers in the study was 21 which represents 1 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 >							
1557	542	142	20	6	14	10	12							

CHART 2

HEADWAY

During the peak traffic period, on 09/29/2022 at [08:00 AM-09:00 AM] the average headway between vehicles was 9.677 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 100.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: WB Loudoun ST
 Location: WB just east of Dry Mill Road**

A study of vehicle traffic was conducted with the device having serial number 300868. The study was done in the 2 lane at WB Loudoun ST in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 2,332 vehicles passed through the location with a peak volume of 378 on 09/28/2022 at [04:00 PM-05:00 PM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 2,332.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 27 MPH with 70.61% vehicles exceeding the posted speed of 25 MPH. 0.09% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 31.52 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 >
9	9	43	607	1144	396	50	8	5	0	0	0	2	0	0

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 1548 which represents 68 percent of the total classified vehicles. The number of Vans & Pickups in the study was 661 which represents 29 percent of the total classified vehicles. The number of Busses & Trucks in the study was 37 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 15 which represents 1 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 >							
1548	537	124	27	4	7	8	18							

CHART 2

HEADWAY

During the peak traffic period, on 09/28/2022 at [04:00 PM-05:00 PM] the average headway between vehicles was 9.499 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 61.00 and 100.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: EB W. Market St. E of Ayr Street
 Location: eastbound W. Market Street**

A study of vehicle traffic was conducted with the device having serial number 300867. The study was done in the 2 lane at EB W. Market St. E of Ayr Street in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 2,450 vehicles passed through the location with a peak volume of 374 on 09/29/2022 at [08:00 AM-09:00 AM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 2,450.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 28 MPH with 68.80% vehicles exceeding the posted speed of 25 MPH. 0.21% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 34.53 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 >
45	96	169	430	673	665	235	41	11	2	1	3	1	0	0

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 1151 which represents 49 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1052 which represents 44 percent of the total classified vehicles. The number of Busses & Trucks in the study was 111 which represents 5 percent of the total classified vehicles. The number of Tractor Trailers in the study was 51 which represents 2 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 >							
1151	826	226	72	25	23	18	31							

CHART 2

HEADWAY

During the peak traffic period, on 09/29/2022 at [08:00 AM-09:00 AM] the average headway between vehicles was 9.6 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 61.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: WB W. Market St just east of Ayr
 Location: WB just east of Ayr Street**

A study of vehicle traffic was conducted with the device having serial number 301874. The study was done in the 2 lane at WB W. Market St just east of Ayr in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 3,611 vehicles passed through the location with a peak volume of 599 on 09/28/2022 at [04:00 PM-05:00 PM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 3,611.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 28 MPH with 79.94% vehicles exceeding the posted speed of 25 MPH. 0.14% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 33.06 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 >
30	33	82	552	1710	892	143	21	4	3	1	3	0	0	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 2254 which represents 65 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1098 which represents 32 percent of the total classified vehicles. The number of Busses & Trucks in the study was 68 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 30 which represents 1 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 >							
2254	892	206	42	16	13	15	37							

CHART 2

HEADWAY

During the peak traffic period, on 09/28/2022 at [04:00 PM-05:00 PM] the average headway between vehicles was 6 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: NB N. Knig Street near # 220
 Location: NB**

A study of vehicle traffic was conducted with the device having serial number 300857. The study was done in the 2 lane at NB N. Knig Street near # 220 in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 3,017 vehicles passed through the location with a peak volume of 349 on 09/28/2022 at [05:00 PM-06:00 PM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 3,017.

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 30 - 35 MPH range or lower. The average speed for all classified vehicles was 32 MPH with 93.66% vehicles exceeding the posted speed of 25 MPH. 0.17% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 30MPH and the 85th percentile was 36.54 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 >
4	9	16	159	862	1312	511	76	8	2	3	0	0	0	2

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 942 which represents 32 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1776 which represents 60 percent of the total classified vehicles. The number of Busses & Trucks in the study was 190 which represents 6 percent of the total classified vehicles. The number of Tractor Trailers in the study was 44 which represents 1 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 >							
942	1223	553	147	26	22	14	37							

CHART 2

HEADWAY

During the peak traffic period, on 09/28/2022 at [05:00 PM-06:00 PM] the average headway between vehicles was 10.286 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 100.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: SB N. King Street
 Location: SB N. King near # 221**

A study of vehicle traffic was conducted with the device having serial number 300862. The study was done in the 2 lane at SB N. King Street in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 3,381 vehicles passed through the location with a peak volume of 406 on 09/28/2022 at [04:00 PM-05:00 PM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 3,381.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 30 MPH with 86.71% vehicles exceeding the posted speed of 25 MPH. 0.28% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 34.43 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 >
18	10	36	370	1389	1076	288	51	18	1	3	4	0	2	0

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 1435 which represents 44 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1654 which represents 51 percent of the total classified vehicles. The number of Busses & Trucks in the study was 132 which represents 4 percent of the total classified vehicles. The number of Tractor Trailers in the study was 32 which represents 1 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 >							
1435	1250	404	100	22	15	14	26							

CHART 2

HEADWAY

During the peak traffic period, on 09/28/2022 at [04:00 PM-05:00 PM] the average headway between vehicles was 8.845 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 95.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: EB W. Loudoun St west of Ayr Str
 Location: EB W. Loudoun west of Ayr Street**

A study of vehicle traffic was conducted with the device having serial number 300858. The study was done in the 2 lane at EB W. Loudoun St west of Ayr Str in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 1,814 vehicles passed through the location with a peak volume of 278 on 09/29/2022 at [08:00 AM-09:00 AM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 1,814.

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 30 - 35 MPH range or lower. The average speed for all classified vehicles was 34 MPH with 96.79% vehicles exceeding the posted speed of 25 MPH. 0.46% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 30MPH and the 85th percentile was 38.97 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 >
6	3	9	38	333	696	502	114	31	6	5	2	1	0	0

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 1082 which represents 62 percent of the total classified vehicles. The number of Vans & Pickups in the study was 613 which represents 35 percent of the total classified vehicles. The number of Busses & Trucks in the study was 32 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 16 which represents 1 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 >							
1082	489	124	25	2	7	9	8							

CHART 2

HEADWAY

During the peak traffic period, on 09/29/2022 at [08:00 AM-09:00 AM] the average headway between vehicles was 12.903 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 82.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: W. Loudoun St WB
 Location: WB west of Ayr Street**

A study of vehicle traffic was conducted with the device having serial number 300861. The study was done in the 2 lane at W. Loudoun St WB in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 1,515 vehicles passed through the location with a peak volume of 277 on 09/28/2022 at [04:00 PM-05:00 PM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 1,515.

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 35 - 40 MPH range or lower. The average speed for all classified vehicles was 37 MPH with 96.57% vehicles exceeding the posted speed of 25 MPH. 1.17% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 35MPH and the 85th percentile was 43.34 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 >
4	4	13	29	104	369	530	280	90	19	11	3	0	1	2

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 375 which represents 26 percent of the total classified vehicles. The number of Vans & Pickups in the study was 953 which represents 65 percent of the total classified vehicles. The number of Busses & Trucks in the study was 110 which represents 8 percent of the total classified vehicles. The number of Tractor Trailers in the study was 15 which represents 1 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 >							
375	641	312	98	11	3	5	14							

CHART 2

HEADWAY

During the peak traffic period, on 09/28/2022 at [04:00 PM-05:00 PM] the average headway between vehicles was 12.95 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 81.00 degrees F.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: EB W. Market Street W of Ayr Str
 Location: eastbound W. Market Street W of Ayr Str**

A study of vehicle traffic was conducted with the device having serial number 300871. The study was done in the 2 lane at EB W. Market Street W of Ayr Str in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 2,165 vehicles passed through the location with a peak volume of 343 on 09/29/2022 at [08:00 AM-09:00 AM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 2,165.

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 30 - 35 MPH range or lower. The average speed for all classified vehicles was 33 MPH with 96.79% vehicles exceeding the posted speed of 25 MPH. 0.42% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 30MPH and the 85th percentile was 38.43 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 >
5	2	10	51	451	961	470	131	25	6	2	1	0	1	5

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 1449 which represents 68 percent of the total classified vehicles. The number of Vans & Pickups in the study was 587 which represents 28 percent of the total classified vehicles. The number of Busses & Trucks in the study was 42 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 37 which represents 2 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 >							
1449	497	90	26	8	14	16	21							

CHART 2

HEADWAY

During the peak traffic period, on 09/29/2022 at [08:00 AM-09:00 AM] the average headway between vehicles was 10.465 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 102.00 degrees F.

**MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Leesburg
Street: WB W. Market St W of Ayr ST**

A study of vehicle traffic was conducted with the device having serial number 301876. The study was done in the 2 lane at WB W. Market St W of Ayr ST in Leesburg, VA in Loudoun county. The study began on 09/28/2022 at 12:00 PM and concluded on 09/29/2022 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 3,719 vehicles passed through the location with a peak volume of 637 on 09/28/2022 at [04:00 PM-05:00 PM] and a minimum volume of 0 on 09/29/2022 at [10:00 AM-11:00 AM]. The AADT count for this study was 3,719.

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 30 - 35 MPH range or lower. The average speed for all classified vehicles was 32 MPH with 91.74% vehicles exceeding the posted speed of 25 MPH. 0.27% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 30MPH and the 85th percentile was 38.11 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 >
51	43	66	142	715	1557	859	180	30	4	7	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 1871 which represents 51 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1573 which represents 43 percent of the total classified vehicles. The number of Busses & Trucks in the study was 143 which represents 4 percent of the total classified vehicles. The number of Tractor Trailers in the study was 46 which represents 1 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 >							
1871	1191	382	88	39	20	14	52							

CHART 2

HEADWAY

During the peak traffic period, on 09/28/2022 at [04:00 PM-05:00 PM] the average headway between vehicles was 5.643 seconds. During the slowest traffic period, on 09/29/2022 at [10:00 AM-11:00 AM] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 100.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400358	Location: Downtown Leesburg	Raw Count: 7,196
Operator: AH	Lane: NB 358	AADT Count: 3,598
Begin: 09/30/2021 12:00 AM	Street: N. King Street	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	4	28 MPH	63 F	---
[12:15 AM-12:30 AM]	4	25 MPH	63 F	---
[12:30 AM-12:45 AM]	1	28 MPH	63 F	---
[12:45 AM-01:00 AM]	0	0 MPH	63 F	---
[01:00 AM-01:15 AM]	1	22 MPH	63 F	---
[01:15 AM-01:30 AM]	3	29 MPH	63 F	---
[01:30 AM-01:45 AM]	2	25 MPH	63 F	---
[01:45 AM-02:00 AM]	1	28 MPH	63 F	---
[02:00 AM-02:15 AM]	0	0 MPH	63 F	---
[02:15 AM-02:30 AM]	1	32 MPH	61 F	---
[02:30 AM-02:45 AM]	0	0 MPH	61 F	---
[02:45 AM-03:00 AM]	0	0 MPH	61 F	---
[03:00 AM-03:15 AM]	1	28 MPH	61 F	---
[03:15 AM-03:30 AM]	0	0 MPH	61 F	---
[03:30 AM-03:45 AM]	3	24 MPH	61 F	---
[03:45 AM-04:00 AM]	0	0 MPH	61 F	---
[04:00 AM-04:15 AM]	0	0 MPH	61 F	---
[04:15 AM-04:30 AM]	2	25 MPH	61 F	---
[04:30 AM-04:45 AM]	5	28 MPH	61 F	---
[04:45 AM-05:00 AM]	10	24 MPH	61 F	---
[05:00 AM-05:15 AM]	11	30 MPH	61 F	---
[05:15 AM-05:30 AM]	11	28 MPH	61 F	---
[05:30 AM-05:45 AM]	9	29 MPH	61 F	---
[05:45 AM-06:00 AM]	20	29 MPH	57 F	---
[06:00 AM-06:15 AM]	20	27 MPH	57 F	---
[06:15 AM-06:30 AM]	15	29 MPH	57 F	---
[06:30 AM-06:45 AM]	28	27 MPH	57 F	---
[06:45 AM-07:00 AM]	32	27 MPH	57 F	---
[07:00 AM-07:15 AM]	33	25 MPH	57 F	---
[07:15 AM-07:30 AM]	36	25 MPH	57 F	---
[07:30 AM-07:45 AM]	59	19 MPH	61 F	---
[07:45 AM-08:00 AM]	58	23 MPH	61 F	---
[08:00 AM-08:15 AM]	61	22 MPH	61 F	---
[08:15 AM-08:30 AM]	63	22 MPH	61 F	---
[08:30 AM-08:45 AM]	69	21 MPH	61 F	---
[08:45 AM-09:00 AM]	85	22 MPH	61 F	---
[09:00 AM-09:15 AM]	81	22 MPH	61 F	---
[09:15 AM-09:30 AM]	42	24 MPH	63 F	---
[09:30 AM-09:45 AM]	57	21 MPH	66 F	---
[09:45 AM-10:00 AM]	54	21 MPH	72 F	---
[10:00 AM-10:15 AM]	56	22 MPH	77 F	---
[10:15 AM-10:30 AM]	57	21 MPH	81 F	---
[10:30 AM-10:45 AM]	71	20 MPH	82 F	---
[10:45 AM-11:00 AM]	36	23 MPH	90 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400358	Location: Downtown Leesburg	Raw Count: 7,196
Operator: AH	Lane: NB 358	ADT Count: 3,598
Begin: 09/30/2021 12:00 AM	Street: N. King Street	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[11:00 AM-11:15 AM]	44	22 MPH	91 F	---
[11:15 AM-11:30 AM]	62	21 MPH	91 F	---
[11:30 AM-11:45 AM]	57	20 MPH	95 F	---
[11:45 AM-12:00 PM]	59	19 MPH	97 F	---
[12:00 PM-12:15 PM]	60	20 MPH	100 F	---
[12:15 PM-12:30 PM]	56	20 MPH	102 F	---
[12:30 PM-12:45 PM]	52	18 MPH	100 F	---
[12:45 PM-01:00 PM]	55	19 MPH	102 F	---
[01:00 PM-01:15 PM]	72	21 MPH	102 F	---
[01:15 PM-01:30 PM]	57	23 MPH	102 F	---
[01:30 PM-01:45 PM]	58	19 MPH	106 F	---
[01:45 PM-02:00 PM]	47	19 MPH	106 F	---
[02:00 PM-02:15 PM]	72	21 MPH	106 F	---
[02:15 PM-02:30 PM]	70	20 MPH	102 F	---
[02:30 PM-02:45 PM]	62	22 MPH	106 F	---
[02:45 PM-03:00 PM]	65	20 MPH	106 F	---
[03:00 PM-03:15 PM]	65	22 MPH	106 F	---
[03:15 PM-03:30 PM]	69	20 MPH	106 F	---
[03:30 PM-03:45 PM]	94	22 MPH	106 F	---
[03:45 PM-04:00 PM]	67	23 MPH	102 F	---
[04:00 PM-04:15 PM]	75	20 MPH	102 F	---
[04:15 PM-04:30 PM]	90	18 MPH	95 F	---
[04:30 PM-04:45 PM]	71	20 MPH	91 F	---
[04:45 PM-05:00 PM]	84	21 MPH	90 F	---
[05:00 PM-05:15 PM]	78	20 MPH	90 F	---
[05:15 PM-05:30 PM]	88	19 MPH	86 F	---
[05:30 PM-05:45 PM]	95	19 MPH	86 F	---
[05:45 PM-06:00 PM]	86	20 MPH	82 F	---
[06:00 PM-06:15 PM]	98	21 MPH	82 F	---
[06:15 PM-06:30 PM]	85	22 MPH	81 F	---
[06:30 PM-06:45 PM]	68	22 MPH	81 F	---
[06:45 PM-07:00 PM]	82	23 MPH	77 F	---
[07:00 PM-07:15 PM]	74	20 MPH	77 F	---
[07:15 PM-07:30 PM]	60	22 MPH	77 F	---
[07:30 PM-07:45 PM]	56	22 MPH	75 F	---
[07:45 PM-08:00 PM]	45	22 MPH	75 F	---
[08:00 PM-08:15 PM]	43	22 MPH	75 F	---
[08:15 PM-08:30 PM]	40	22 MPH	72 F	---
[08:30 PM-08:45 PM]	24	22 MPH	72 F	---
[08:45 PM-09:00 PM]	30	22 MPH	72 F	---
[09:00 PM-09:15 PM]	32	24 MPH	72 F	---
[09:15 PM-09:30 PM]	24	25 MPH	72 F	---
[09:30 PM-09:45 PM]	26	24 MPH	72 F	---
[09:45 PM-10:00 PM]	14	25 MPH	68 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400358 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: NB 358 Street: N. King Street City: Leesburg County: Loudoun County State: VA	Raw Count: 7,196 AADT Count: 3,598 AADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,09/30/2021				
[10:00 PM-10:15 PM]	22	24 MPH	68 F	---
[10:15 PM-10:30 PM]	6	25 MPH	68 F	---
[10:30 PM-10:45 PM]	12	25 MPH	68 F	---
[10:45 PM-11:00 PM]	10	23 MPH	68 F	---
[11:00 PM-11:15 PM]	8	22 MPH	66 F	---
[11:15 PM-11:30 PM]	4	19 MPH	66 F	---
[11:30 PM-11:45 PM]	6	21 MPH	66 F	---
[11:45 PM-12:00 AM]	7	24 MPH	66 F	---
Thu,09/30/2021	3888	21 MPH	76 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	3	31 MPH	66 F	---
[12:15 AM-12:30 AM]	1	18 MPH	63 F	---
[12:30 AM-12:45 AM]	3	26 MPH	63 F	---
[12:45 AM-01:00 AM]	3	26 MPH	63 F	---
[01:00 AM-01:15 AM]	1	18 MPH	63 F	---
[01:15 AM-01:30 AM]	2	23 MPH	63 F	---
[01:30 AM-01:45 AM]	3	29 MPH	63 F	---
[01:45 AM-02:00 AM]	3	29 MPH	63 F	---
[02:00 AM-02:15 AM]	0	0 MPH	63 F	---
[02:15 AM-02:30 AM]	0	0 MPH	63 F	---
[02:30 AM-02:45 AM]	3	26 MPH	61 F	---
[02:45 AM-03:00 AM]	0	0 MPH	61 F	---
[03:00 AM-03:15 AM]	1	28 MPH	61 F	---
[03:15 AM-03:30 AM]	2	23 MPH	61 F	---
[03:30 AM-03:45 AM]	1	22 MPH	61 F	---
[03:45 AM-04:00 AM]	2	33 MPH	61 F	---
[04:00 AM-04:15 AM]	0	0 MPH	61 F	---
[04:15 AM-04:30 AM]	4	25 MPH	61 F	---
[04:30 AM-04:45 AM]	4	25 MPH	61 F	---
[04:45 AM-05:00 AM]	13	22 MPH	57 F	---
[05:00 AM-05:15 AM]	10	27 MPH	57 F	---
[05:15 AM-05:30 AM]	20	27 MPH	57 F	---
[05:30 AM-05:45 AM]	12	21 MPH	57 F	---
[05:45 AM-06:00 AM]	17	26 MPH	57 F	---
[06:00 AM-06:15 AM]	15	28 MPH	57 F	---
[06:15 AM-06:30 AM]	17	28 MPH	57 F	---
[06:30 AM-06:45 AM]	24	26 MPH	57 F	---
[06:45 AM-07:00 AM]	36	26 MPH	57 F	---
[07:00 AM-07:15 AM]	36	24 MPH	57 F	---
[07:15 AM-07:30 AM]	53	23 MPH	57 F	---
[07:30 AM-07:45 AM]	63	23 MPH	57 F	---
[07:45 AM-08:00 AM]	60	22 MPH	57 F	---
[08:00 AM-08:15 AM]	54	23 MPH	57 F	---
[08:15 AM-08:30 AM]	87	22 MPH	57 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400358	Location: Downtown Leesburg	Raw Count: 7,196
Operator: AH	Lane: NB 358	ADT Count: 3,598
Begin: 09/30/2021 12:00 AM	Street: N. King Street	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,10/01/2021				
[08:30 AM-08:45 AM]	72	22 MPH	57 F	---
[08:45 AM-09:00 AM]	70	21 MPH	61 F	---
[09:00 AM-09:15 AM]	83	22 MPH	61 F	---
[09:15 AM-09:30 AM]	48	21 MPH	61 F	---
[09:30 AM-09:45 AM]	42	22 MPH	63 F	---
[09:45 AM-10:00 AM]	65	19 MPH	72 F	---
[10:00 AM-10:15 AM]	51	21 MPH	77 F	---
[10:15 AM-10:30 AM]	59	21 MPH	81 F	---
[10:30 AM-10:45 AM]	61	23 MPH	82 F	---
[10:45 AM-11:00 AM]	63	20 MPH	86 F	---
[11:00 AM-11:15 AM]	44	22 MPH	90 F	---
[11:15 AM-11:30 AM]	63	19 MPH	91 F	---
[11:30 AM-11:45 AM]	59	16 MPH	95 F	---
[11:45 AM-12:00 PM]	55	20 MPH	97 F	---
[12:00 PM-12:15 PM]	66	22 MPH	100 F	---
[12:15 PM-12:30 PM]	56	20 MPH	100 F	---
[12:30 PM-12:45 PM]	57	20 MPH	102 F	---
[12:45 PM-01:00 PM]	62	18 MPH	102 F	---
[01:00 PM-01:15 PM]	69	20 MPH	106 F	---
[01:15 PM-01:30 PM]	65	22 MPH	106 F	---
[01:30 PM-01:45 PM]	68	19 MPH	106 F	---
[01:45 PM-02:00 PM]	52	21 MPH	106 F	---
[02:00 PM-02:15 PM]	71	20 MPH	109 F	---
[02:15 PM-02:30 PM]	61	19 MPH	109 F	---
[02:30 PM-02:45 PM]	77	22 MPH	109 F	---
[02:45 PM-03:00 PM]	73	20 MPH	109 F	---
[03:00 PM-03:15 PM]	102	19 MPH	106 F	---
[03:15 PM-03:30 PM]	100	19 MPH	106 F	---
[03:30 PM-03:45 PM]	40	18 MPH	106 F	---
[03:45 PM-04:00 PM]	29	21 MPH	106 F	---
[04:00 PM-04:15 PM]	27	19 MPH	106 F	---
[04:15 PM-04:30 PM]	24	19 MPH	97 F	---
[04:30 PM-04:45 PM]	34	21 MPH	95 F	---
[04:45 PM-05:00 PM]	28	21 MPH	91 F	---
[05:00 PM-05:15 PM]	39	20 MPH	90 F	---
[05:15 PM-05:30 PM]	25	20 MPH	86 F	---
[05:30 PM-05:45 PM]	24	16 MPH	86 F	---
[05:45 PM-06:00 PM]	20	18 MPH	82 F	---
[06:00 PM-06:15 PM]	40	20 MPH	82 F	---
[06:15 PM-06:30 PM]	43	18 MPH	81 F	---
[06:30 PM-06:45 PM]	36	18 MPH	81 F	---
[06:45 PM-07:00 PM]	37	15 MPH	77 F	---
[07:00 PM-07:15 PM]	34	22 MPH	77 F	---
[07:15 PM-07:30 PM]	43	17 MPH	75 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400358	Location: Downtown Leesburg	Raw Count: 7,196
Operator: AH	Lane: NB 358	ADT Count: 3,598
Begin: 09/30/2021 12:00 AM	Street: N. King Street	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,10/01/2021				
[07:30 PM-07:45 PM]	25	20 MPH	75 F	---
[07:45 PM-08:00 PM]	23	20 MPH	75 F	---
[08:00 PM-08:15 PM]	27	22 MPH	72 F	---
[08:15 PM-08:30 PM]	18	17 MPH	72 F	---
[08:30 PM-08:45 PM]	21	21 MPH	72 F	---
[08:45 PM-09:00 PM]	20	21 MPH	72 F	---
[09:00 PM-09:15 PM]	26	20 MPH	68 F	---
[09:15 PM-09:30 PM]	29	21 MPH	68 F	---
[09:30 PM-09:45 PM]	49	22 MPH	68 F	---
[09:45 PM-10:00 PM]	34	23 MPH	68 F	---
[10:00 PM-10:15 PM]	25	20 MPH	68 F	---
[10:15 PM-10:30 PM]	20	27 MPH	66 F	---
[10:30 PM-10:45 PM]	26	23 MPH	66 F	---
[10:45 PM-11:00 PM]	13	23 MPH	66 F	---
[11:00 PM-11:15 PM]	16	20 MPH	66 F	---
[11:15 PM-11:30 PM]	14	31 MPH	66 F	---
[11:30 PM-11:45 PM]	20	20 MPH	66 F	---
[11:45 PM-12:00 AM]	12	24 MPH	63 F	---
Fri,10/01/2021	3308	21 MPH	75 F	

09/30/2021 12:00 AM				
10/02/2021 12:00 AM	7196	21 MPH	76 F	

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: N. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400358. The study was done in the NB 358 lane at N. King Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 7,196 vehicles passed through the location with a peak volume of 102 on 10/01/2021 at [03:00 PM-03:15 PM] and a minimum volume of 0 on 09/30/2021 at [12:45 AM-01:00 AM]. The AADT count for this study was 3,598.

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 21 MPH with 1.31% vehicles exceeding the posted speed of 25 MPH. 0.32% 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 27.45 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
429	562	1731	2665	1392	300	48	13	33						

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 3151 which represents 44 percent of the total classified vehicles. The number of Vans & Pickups in the study was 3412 which represents 48 percent of the total classified vehicles. The number of Busses & Trucks in the study was 447 which represents 6 percent of the total classified vehicles. The number of Tractor Trailers in the study was 132 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
3151	2432	980	313	92	65	50	90							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [03:00 PM-03:15 PM] the average headway between vehicles was 8.738 seconds. During the slowest traffic period, on 09/30/2021 at [12:45 AM-01:00 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 109.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400366	Location: Downtown Leesburg	Raw Count: 5,488
Operator: AH	Lane: WB 366	AADT Count: 2,744
Begin: 09/30/2021 12:00 AM	Street: Loudoun Street SW	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	1	4 MPH	61 F	---
[12:15 AM-12:30 AM]	2	30 MPH	61 F	---
[12:30 AM-12:45 AM]	0	0 MPH	61 F	---
[12:45 AM-01:00 AM]	2	28 MPH	61 F	---
[01:00 AM-01:15 AM]	1	22 MPH	61 F	---
[01:15 AM-01:30 AM]	1	38 MPH	61 F	---
[01:30 AM-01:45 AM]	2	23 MPH	61 F	---
[01:45 AM-02:00 AM]	2	20 MPH	61 F	---
[02:00 AM-02:15 AM]	1	18 MPH	61 F	---
[02:15 AM-02:30 AM]	0	0 MPH	61 F	---
[02:30 AM-02:45 AM]	1	12 MPH	61 F	---
[02:45 AM-03:00 AM]	0	0 MPH	61 F	---
[03:00 AM-03:15 AM]	0	0 MPH	61 F	---
[03:15 AM-03:30 AM]	2	23 MPH	57 F	---
[03:30 AM-03:45 AM]	1	4 MPH	57 F	---
[03:45 AM-04:00 AM]	0	0 MPH	57 F	---
[04:00 AM-04:15 AM]	2	25 MPH	57 F	---
[04:15 AM-04:30 AM]	1	28 MPH	57 F	---
[04:30 AM-04:45 AM]	0	0 MPH	57 F	---
[04:45 AM-05:00 AM]	2	33 MPH	57 F	---
[05:00 AM-05:15 AM]	3	44 MPH	57 F	---
[05:15 AM-05:30 AM]	1	18 MPH	57 F	---
[05:30 AM-05:45 AM]	1	28 MPH	57 F	---
[05:45 AM-06:00 AM]	5	21 MPH	57 F	---
[06:00 AM-06:15 AM]	9	24 MPH	57 F	---
[06:15 AM-06:30 AM]	6	27 MPH	57 F	---
[06:30 AM-06:45 AM]	10	21 MPH	57 F	---
[06:45 AM-07:00 AM]	14	18 MPH	57 F	---
[07:00 AM-07:15 AM]	10	23 MPH	57 F	---
[07:15 AM-07:30 AM]	23	22 MPH	57 F	---
[07:30 AM-07:45 AM]	22	20 MPH	57 F	---
[07:45 AM-08:00 AM]	28	23 MPH	57 F	---
[08:00 AM-08:15 AM]	17	16 MPH	57 F	---
[08:15 AM-08:30 AM]	34	20 MPH	61 F	---
[08:30 AM-08:45 AM]	30	19 MPH	63 F	---
[08:45 AM-09:00 AM]	41	21 MPH	66 F	---
[09:00 AM-09:15 AM]	35	21 MPH	68 F	---
[09:15 AM-09:30 AM]	34	17 MPH	72 F	---
[09:30 AM-09:45 AM]	26	20 MPH	75 F	---
[09:45 AM-10:00 AM]	27	18 MPH	77 F	---
[10:00 AM-10:15 AM]	35	17 MPH	81 F	---
[10:15 AM-10:30 AM]	29	22 MPH	81 F	---
[10:30 AM-10:45 AM]	27	21 MPH	82 F	---
[10:45 AM-11:00 AM]	30	21 MPH	86 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400366	Location: Downtown Leesburg	Raw Count: 5,488
Operator: AH	Lane: WB 366	ADT Count: 2,744
Begin: 09/30/2021 12:00 AM	Street: Loudoun Street SW	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
[11:00 AM-11:15 AM]	28	19 MPH	90 F	---
[11:15 AM-11:30 AM]	42	19 MPH	91 F	---
[11:30 AM-11:45 AM]	39	17 MPH	91 F	---
[11:45 AM-12:00 PM]	39	17 MPH	95 F	---
[12:00 PM-12:15 PM]	48	19 MPH	97 F	---
[12:15 PM-12:30 PM]	42	19 MPH	97 F	---
[12:30 PM-12:45 PM]	43	17 MPH	95 F	---
[12:45 PM-01:00 PM]	37	19 MPH	97 F	---
[01:00 PM-01:15 PM]	60	17 MPH	97 F	---
[01:15 PM-01:30 PM]	37	20 MPH	100 F	---
[01:30 PM-01:45 PM]	41	21 MPH	100 F	---
[01:45 PM-02:00 PM]	59	16 MPH	100 F	---
[02:00 PM-02:15 PM]	38	22 MPH	100 F	---
[02:15 PM-02:30 PM]	39	20 MPH	100 F	---
[02:30 PM-02:45 PM]	40	20 MPH	100 F	---
[02:45 PM-03:00 PM]	54	21 MPH	95 F	---
[03:00 PM-03:15 PM]	51	19 MPH	90 F	---
[03:15 PM-03:30 PM]	59	17 MPH	86 F	---
[03:30 PM-03:45 PM]	48	20 MPH	82 F	---
[03:45 PM-04:00 PM]	49	20 MPH	82 F	---
[04:00 PM-04:15 PM]	64	14 MPH	81 F	---
[04:15 PM-04:30 PM]	58	16 MPH	81 F	---
[04:30 PM-04:45 PM]	70	16 MPH	82 F	---
[04:45 PM-05:00 PM]	62	20 MPH	86 F	---
[05:00 PM-05:15 PM]	84	21 MPH	86 F	---
[05:15 PM-05:30 PM]	84	19 MPH	82 F	---
[05:30 PM-05:45 PM]	69	21 MPH	81 F	---
[05:45 PM-06:00 PM]	57	21 MPH	77 F	---
[06:00 PM-06:15 PM]	64	22 MPH	77 F	---
[06:15 PM-06:30 PM]	50	21 MPH	77 F	---
[06:30 PM-06:45 PM]	48	22 MPH	75 F	---
[06:45 PM-07:00 PM]	56	21 MPH	75 F	---
[07:00 PM-07:15 PM]	42	19 MPH	72 F	---
[07:15 PM-07:30 PM]	41	21 MPH	72 F	---
[07:30 PM-07:45 PM]	52	22 MPH	72 F	---
[07:45 PM-08:00 PM]	37	21 MPH	72 F	---
[08:00 PM-08:15 PM]	34	23 MPH	68 F	---
[08:15 PM-08:30 PM]	27	20 MPH	68 F	---
[08:30 PM-08:45 PM]	33	19 MPH	68 F	---
[08:45 PM-09:00 PM]	21	18 MPH	68 F	---
[09:00 PM-09:15 PM]	24	22 MPH	68 F	---
[09:15 PM-09:30 PM]	19	25 MPH	68 F	---
[09:30 PM-09:45 PM]	17	25 MPH	66 F	---
[09:45 PM-10:00 PM]	15	22 MPH	66 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400366 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: WB 366 Street: Loudoun Street SW City: Leesburg County: Loudoun County State: VA	Raw Count: 5,488 AADT Count: 2,744 AADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,09/30/2021				
[10:00 PM-10:15 PM]	17	21 MPH	66 F	---
[10:15 PM-10:30 PM]	8	24 MPH	66 F	---
[10:30 PM-10:45 PM]	12	21 MPH	66 F	---
[10:45 PM-11:00 PM]	6	26 MPH	63 F	---
[11:00 PM-11:15 PM]	8	16 MPH	63 F	---
[11:15 PM-11:30 PM]	6	20 MPH	63 F	---
[11:30 PM-11:45 PM]	2	25 MPH	63 F	---
[11:45 PM-12:00 AM]	4	31 MPH	63 F	---
Thu,09/30/2021	2602	20 MPH	72 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	4	26 MPH	63 F	---
[12:15 AM-12:30 AM]	2	23 MPH	63 F	---
[12:30 AM-12:45 AM]	4	29 MPH	61 F	---
[12:45 AM-01:00 AM]	3	23 MPH	61 F	---
[01:00 AM-01:15 AM]	2	16 MPH	61 F	---
[01:15 AM-01:30 AM]	0	0 MPH	61 F	---
[01:30 AM-01:45 AM]	0	0 MPH	61 F	---
[01:45 AM-02:00 AM]	0	0 MPH	61 F	---
[02:00 AM-02:15 AM]	1	22 MPH	61 F	---
[02:15 AM-02:30 AM]	0	0 MPH	61 F	---
[02:30 AM-02:45 AM]	0	0 MPH	61 F	---
[02:45 AM-03:00 AM]	1	4 MPH	61 F	---
[03:00 AM-03:15 AM]	0	0 MPH	57 F	---
[03:15 AM-03:30 AM]	1	28 MPH	57 F	---
[03:30 AM-03:45 AM]	1	32 MPH	57 F	---
[03:45 AM-04:00 AM]	2	33 MPH	57 F	---
[04:00 AM-04:15 AM]	1	4 MPH	57 F	---
[04:15 AM-04:30 AM]	0	0 MPH	57 F	---
[04:30 AM-04:45 AM]	2	37 MPH	57 F	---
[04:45 AM-05:00 AM]	1	32 MPH	57 F	---
[05:00 AM-05:15 AM]	2	28 MPH	57 F	---
[05:15 AM-05:30 AM]	1	28 MPH	57 F	---
[05:30 AM-05:45 AM]	3	21 MPH	57 F	---
[05:45 AM-06:00 AM]	1	4 MPH	57 F	---
[06:00 AM-06:15 AM]	9	23 MPH	57 F	---
[06:15 AM-06:30 AM]	7	25 MPH	55 F	---
[06:30 AM-06:45 AM]	7	22 MPH	55 F	---
[06:45 AM-07:00 AM]	18	23 MPH	55 F	---
[07:00 AM-07:15 AM]	11	26 MPH	55 F	---
[07:15 AM-07:30 AM]	18	22 MPH	55 F	---
[07:30 AM-07:45 AM]	29	23 MPH	55 F	---
[07:45 AM-08:00 AM]	23	20 MPH	55 F	---
[08:00 AM-08:15 AM]	24	19 MPH	57 F	---
[08:15 AM-08:30 AM]	31	21 MPH	57 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400366	Location: Downtown Leesburg	Raw Count: 5,488
Operator: AH	Lane: WB 366	ADT Count: 2,744
Begin: 09/30/2021 12:00 AM	Street: Loudoun Street SW	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,10/01/2021				
[08:30 AM-08:45 AM]	27	21 MPH	61 F	---
[08:45 AM-09:00 AM]	37	22 MPH	63 F	---
[09:00 AM-09:15 AM]	46	22 MPH	66 F	---
[09:15 AM-09:30 AM]	30	21 MPH	68 F	---
[09:30 AM-09:45 AM]	25	20 MPH	72 F	---
[09:45 AM-10:00 AM]	30	19 MPH	75 F	---
[10:00 AM-10:15 AM]	28	17 MPH	77 F	---
[10:15 AM-10:30 AM]	27	21 MPH	81 F	---
[10:30 AM-10:45 AM]	26	20 MPH	82 F	---
[10:45 AM-11:00 AM]	34	18 MPH	86 F	---
[11:00 AM-11:15 AM]	30	16 MPH	90 F	---
[11:15 AM-11:30 AM]	31	21 MPH	90 F	---
[11:30 AM-11:45 AM]	32	22 MPH	91 F	---
[11:45 AM-12:00 PM]	37	20 MPH	95 F	---
[12:00 PM-12:15 PM]	32	21 MPH	97 F	---
[12:15 PM-12:30 PM]	34	16 MPH	97 F	---
[12:30 PM-12:45 PM]	48	19 MPH	97 F	---
[12:45 PM-01:00 PM]	50	17 MPH	100 F	---
[01:00 PM-01:15 PM]	31	17 MPH	100 F	---
[01:15 PM-01:30 PM]	43	20 MPH	102 F	---
[01:30 PM-01:45 PM]	47	19 MPH	102 F	---
[01:45 PM-02:00 PM]	45	20 MPH	102 F	---
[02:00 PM-02:15 PM]	49	19 MPH	102 F	---
[02:15 PM-02:30 PM]	44	17 MPH	102 F	---
[02:30 PM-02:45 PM]	45	16 MPH	102 F	---
[02:45 PM-03:00 PM]	64	19 MPH	95 F	---
[03:00 PM-03:15 PM]	63	17 MPH	90 F	---
[03:15 PM-03:30 PM]	62	19 MPH	86 F	---
[03:30 PM-03:45 PM]	93	18 MPH	82 F	---
[03:45 PM-04:00 PM]	79	20 MPH	82 F	---
[04:00 PM-04:15 PM]	80	18 MPH	81 F	---
[04:15 PM-04:30 PM]	77	19 MPH	81 F	---
[04:30 PM-04:45 PM]	77	20 MPH	82 F	---
[04:45 PM-05:00 PM]	60	17 MPH	86 F	---
[05:00 PM-05:15 PM]	82	17 MPH	86 F	---
[05:15 PM-05:30 PM]	79	16 MPH	81 F	---
[05:30 PM-05:45 PM]	69	19 MPH	81 F	---
[05:45 PM-06:00 PM]	53	19 MPH	77 F	---
[06:00 PM-06:15 PM]	57	17 MPH	77 F	---
[06:15 PM-06:30 PM]	54	19 MPH	75 F	---
[06:30 PM-06:45 PM]	62	15 MPH	75 F	---
[06:45 PM-07:00 PM]	67	15 MPH	75 F	---
[07:00 PM-07:15 PM]	48	15 MPH	72 F	---
[07:15 PM-07:30 PM]	39	16 MPH	72 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400366	Location: Downtown Leesburg	Raw Count: 5,488
Operator: AH	Lane: WB 366	AADT Count: 2,744
Begin: 09/30/2021 12:00 AM	Street: Loudoun Street SW	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,10/01/2021				
[07:30 PM-07:45 PM]	37	19 MPH	72 F	---
[07:45 PM-08:00 PM]	37	20 MPH	68 F	---
[08:00 PM-08:15 PM]	33	21 MPH	68 F	---
[08:15 PM-08:30 PM]	30	16 MPH	68 F	---
[08:30 PM-08:45 PM]	38	16 MPH	68 F	---
[08:45 PM-09:00 PM]	29	24 MPH	66 F	---
[09:00 PM-09:15 PM]	37	20 MPH	66 F	---
[09:15 PM-09:30 PM]	31	22 MPH	66 F	---
[09:30 PM-09:45 PM]	43	16 MPH	66 F	---
[09:45 PM-10:00 PM]	28	20 MPH	66 F	---
[10:00 PM-10:15 PM]	33	17 MPH	63 F	---
[10:15 PM-10:30 PM]	21	19 MPH	63 F	---
[10:30 PM-10:45 PM]	25	19 MPH	63 F	---
[10:45 PM-11:00 PM]	15	24 MPH	63 F	---
[11:00 PM-11:15 PM]	16	20 MPH	63 F	---
[11:15 PM-11:30 PM]	22	24 MPH	63 F	---
[11:30 PM-11:45 PM]	16	20 MPH	63 F	---
[11:45 PM-12:00 AM]	13	23 MPH	61 F	---
Fri,10/01/2021	2886	19 MPH	72 F	
09/30/2021 12:00 AM				
10/02/2021 12:00 AM	5488	19 MPH	72 F	

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Loudoun Street SW
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400366. The study was done in the WB 366 lane at Loudoun Street SW in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 5,488 vehicles passed through the location with a peak volume of 93 on 10/01/2021 at [03:30 PM-03:45 PM] and a minimum volume of 0 on 09/30/2021 at [12:30 AM-12:45 AM]. The AADT count for this study was 2,744.

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 19 MPH with 2.29% vehicles exceeding the posted speed of 25 MPH. 0.40% 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 26.17 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
905	270	1365	1866	769	148	52	31	42						

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 2678 which represents 50 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1927 which represents 36 percent of the total classified vehicles. The number of Busses & Trucks in the study was 685 which represents 13 percent of the total classified vehicles. The number of Tractor Trailers in the study was 106 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
2678	1273	654	400	204	111	36	92							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [03:30 PM-03:45 PM] the average headway between vehicles was 9.574 seconds. During the slowest traffic period, on 09/30/2021 at [12:30 AM-12:45 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: SB 588 Street: S. King Street City: Leesburg County: Loudoun County State: VA	Raw Count: 6,504 ADT Count: 3,252 ADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	6	23 MPH	61 F	---
[12:15 AM-12:30 AM]	1	18 MPH	61 F	---
[12:30 AM-12:45 AM]	2	28 MPH	61 F	---
[12:45 AM-01:00 AM]	3	33 MPH	61 F	---
[01:00 AM-01:15 AM]	2	28 MPH	61 F	---
[01:15 AM-01:30 AM]	1	28 MPH	61 F	---
[01:30 AM-01:45 AM]	2	20 MPH	61 F	---
[01:45 AM-02:00 AM]	4	24 MPH	61 F	---
[02:00 AM-02:15 AM]	0	0 MPH	61 F	---
[02:15 AM-02:30 AM]	1	28 MPH	61 F	---
[02:30 AM-02:45 AM]	1	4 MPH	61 F	---
[02:45 AM-03:00 AM]	2	30 MPH	61 F	---
[03:00 AM-03:15 AM]	2	30 MPH	57 F	---
[03:15 AM-03:30 AM]	1	32 MPH	57 F	---
[03:30 AM-03:45 AM]	0	0 MPH	57 F	---
[03:45 AM-04:00 AM]	1	32 MPH	57 F	---
[04:00 AM-04:15 AM]	4	26 MPH	57 F	---
[04:15 AM-04:30 AM]	2	43 MPH	57 F	---
[04:30 AM-04:45 AM]	1	28 MPH	57 F	---
[04:45 AM-05:00 AM]	7	28 MPH	57 F	---
[05:00 AM-05:15 AM]	4	29 MPH	57 F	---
[05:15 AM-05:30 AM]	3	29 MPH	57 F	---
[05:30 AM-05:45 AM]	7	21 MPH	57 F	---
[05:45 AM-06:00 AM]	5	28 MPH	57 F	---
[06:00 AM-06:15 AM]	11	26 MPH	57 F	---
[06:15 AM-06:30 AM]	15	29 MPH	57 F	---
[06:30 AM-06:45 AM]	18	25 MPH	57 F	---
[06:45 AM-07:00 AM]	26	24 MPH	57 F	---
[07:00 AM-07:15 AM]	33	25 MPH	57 F	---
[07:15 AM-07:30 AM]	31	26 MPH	57 F	---
[07:30 AM-07:45 AM]	26	23 MPH	57 F	---
[07:45 AM-08:00 AM]	49	26 MPH	57 F	---
[08:00 AM-08:15 AM]	50	25 MPH	57 F	---
[08:15 AM-08:30 AM]	44	24 MPH	57 F	---
[08:30 AM-08:45 AM]	40	24 MPH	57 F	---
[08:45 AM-09:00 AM]	55	23 MPH	63 F	---
[09:00 AM-09:15 AM]	59	24 MPH	66 F	---
[09:15 AM-09:30 AM]	52	23 MPH	68 F	---
[09:30 AM-09:45 AM]	46	21 MPH	72 F	---
[09:45 AM-10:00 AM]	64	21 MPH	75 F	---
[10:00 AM-10:15 AM]	42	24 MPH	77 F	---
[10:15 AM-10:30 AM]	53	23 MPH	77 F	---
[10:30 AM-10:45 AM]	49	25 MPH	82 F	---
[10:45 AM-11:00 AM]	64	22 MPH	82 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588	Location: Downtown Leesburg	Raw Count: 6,504
Operator: AH	Lane: SB 588	ADT Count: 3,252
Begin: 09/30/2021 12:00 AM	Street: S. King Street	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[11:00 AM-11:15 AM]	55	22 MPH	86 F	---
[11:15 AM-11:30 AM]	62	24 MPH	90 F	---
[11:30 AM-11:45 AM]	39	23 MPH	91 F	---
[11:45 AM-12:00 PM]	62	21 MPH	95 F	---
[12:00 PM-12:15 PM]	60	23 MPH	95 F	---
[12:15 PM-12:30 PM]	52	24 MPH	95 F	---
[12:30 PM-12:45 PM]	58	22 MPH	97 F	---
[12:45 PM-01:00 PM]	56	22 MPH	97 F	---
[01:00 PM-01:15 PM]	58	25 MPH	97 F	---
[01:15 PM-01:30 PM]	70	23 MPH	100 F	---
[01:30 PM-01:45 PM]	46	25 MPH	100 F	---
[01:45 PM-02:00 PM]	60	23 MPH	100 F	---
[02:00 PM-02:15 PM]	55	24 MPH	100 F	---
[02:15 PM-02:30 PM]	49	24 MPH	102 F	---
[02:30 PM-02:45 PM]	76	22 MPH	100 F	---
[02:45 PM-03:00 PM]	72	22 MPH	102 F	---
[03:00 PM-03:15 PM]	67	24 MPH	102 F	---
[03:15 PM-03:30 PM]	54	25 MPH	102 F	---
[03:30 PM-03:45 PM]	64	22 MPH	100 F	---
[03:45 PM-04:00 PM]	63	21 MPH	100 F	---
[04:00 PM-04:15 PM]	43	17 MPH	95 F	---
[04:15 PM-04:30 PM]	67	24 MPH	95 F	---
[04:30 PM-04:45 PM]	80	25 MPH	95 F	---
[04:45 PM-05:00 PM]	75	24 MPH	95 F	---
[05:00 PM-05:15 PM]	85	24 MPH	91 F	---
[05:15 PM-05:30 PM]	75	22 MPH	91 F	---
[05:30 PM-05:45 PM]	72	23 MPH	90 F	---
[05:45 PM-06:00 PM]	86	22 MPH	86 F	---
[06:00 PM-06:15 PM]	48	25 MPH	82 F	---
[06:15 PM-06:30 PM]	49	25 MPH	81 F	---
[06:30 PM-06:45 PM]	62	25 MPH	81 F	---
[06:45 PM-07:00 PM]	67	23 MPH	77 F	---
[07:00 PM-07:15 PM]	56	24 MPH	77 F	---
[07:15 PM-07:30 PM]	53	24 MPH	75 F	---
[07:30 PM-07:45 PM]	40	24 MPH	75 F	---
[07:45 PM-08:00 PM]	36	23 MPH	75 F	---
[08:00 PM-08:15 PM]	25	25 MPH	72 F	---
[08:15 PM-08:30 PM]	26	24 MPH	72 F	---
[08:30 PM-08:45 PM]	47	24 MPH	72 F	---
[08:45 PM-09:00 PM]	26	25 MPH	68 F	---
[09:00 PM-09:15 PM]	25	24 MPH	68 F	---
[09:15 PM-09:30 PM]	29	25 MPH	68 F	---
[09:30 PM-09:45 PM]	16	29 MPH	68 F	---
[09:45 PM-10:00 PM]	16	27 MPH	68 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588	Location: Downtown Leesburg	Raw Count: 6,504
Operator: AH	Lane: SB 588	AADT Count: 3,252
Begin: 09/30/2021 12:00 AM	Street: S. King Street	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021

[10:00 PM-10:15 PM]	15	27 MPH	68 F	---
[10:15 PM-10:30 PM]	11	26 MPH	66 F	---
[10:30 PM-10:45 PM]	5	24 MPH	66 F	---
[10:45 PM-11:00 PM]	7	31 MPH	66 F	---
[11:00 PM-11:15 PM]	5	30 MPH	66 F	---
[11:15 PM-11:30 PM]	4	36 MPH	63 F	---
[11:30 PM-11:45 PM]	3	26 MPH	63 F	---
[11:45 PM-12:00 AM]	2	25 MPH	63 F	---

Thu,09/30/2021

3323 24 MPH 74 F

Fri,10/01/2021

[12:00 AM-12:15 AM]	6	31 MPH	63 F	---
[12:15 AM-12:30 AM]	4	27 MPH	63 F	---
[12:30 AM-12:45 AM]	3	27 MPH	63 F	---
[12:45 AM-01:00 AM]	2	25 MPH	61 F	---
[01:00 AM-01:15 AM]	3	24 MPH	61 F	---
[01:15 AM-01:30 AM]	1	28 MPH	61 F	---
[01:30 AM-01:45 AM]	0	0 MPH	61 F	---
[01:45 AM-02:00 AM]	1	32 MPH	61 F	---
[02:00 AM-02:15 AM]	1	42 MPH	61 F	---
[02:15 AM-02:30 AM]	0	0 MPH	61 F	---
[02:30 AM-02:45 AM]	0	0 MPH	61 F	---
[02:45 AM-03:00 AM]	0	0 MPH	57 F	---
[03:00 AM-03:15 AM]	4	29 MPH	57 F	---
[03:15 AM-03:30 AM]	0	0 MPH	57 F	---
[03:30 AM-03:45 AM]	0	0 MPH	57 F	---
[03:45 AM-04:00 AM]	1	32 MPH	57 F	---
[04:00 AM-04:15 AM]	2	28 MPH	57 F	---
[04:15 AM-04:30 AM]	1	32 MPH	57 F	---
[04:30 AM-04:45 AM]	4	33 MPH	57 F	---
[04:45 AM-05:00 AM]	3	23 MPH	57 F	---
[05:00 AM-05:15 AM]	6	28 MPH	57 F	---
[05:15 AM-05:30 AM]	6	33 MPH	55 F	---
[05:30 AM-05:45 AM]	6	29 MPH	55 F	---
[05:45 AM-06:00 AM]	4	30 MPH	55 F	---
[06:00 AM-06:15 AM]	8	21 MPH	55 F	---
[06:15 AM-06:30 AM]	17	29 MPH	55 F	---
[06:30 AM-06:45 AM]	22	30 MPH	55 F	---
[06:45 AM-07:00 AM]	16	28 MPH	55 F	---
[07:00 AM-07:15 AM]	46	27 MPH	55 F	---
[07:15 AM-07:30 AM]	33	29 MPH	55 F	---
[07:30 AM-07:45 AM]	31	24 MPH	55 F	---
[07:45 AM-08:00 AM]	62	22 MPH	55 F	---
[08:00 AM-08:15 AM]	51	23 MPH	55 F	---
[08:15 AM-08:30 AM]	46	22 MPH	57 F	---

10/04/2021 07:53 AM

Page: 3

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: SB 588 Street: S. King Street City: Leesburg County: Loudoun County State: VA	Raw Count: 6,504 ADT Count: 3,252 ADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Fri, 10/01/2021

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
[08:30 AM-08:45 AM]	43	24 MPH	57 F	---
[08:45 AM-09:00 AM]	63	22 MPH	61 F	---
[09:00 AM-09:15 AM]	62	24 MPH	63 F	---
[09:15 AM-09:30 AM]	63	24 MPH	66 F	---
[09:30 AM-09:45 AM]	55	22 MPH	68 F	---
[09:45 AM-10:00 AM]	42	24 MPH	72 F	---
[10:00 AM-10:15 AM]	57	23 MPH	75 F	---
[10:15 AM-10:30 AM]	46	22 MPH	77 F	---
[10:30 AM-10:45 AM]	54	22 MPH	81 F	---
[10:45 AM-11:00 AM]	69	21 MPH	82 F	---
[11:00 AM-11:15 AM]	64	21 MPH	86 F	---
[11:15 AM-11:30 AM]	61	20 MPH	86 F	---
[11:30 AM-11:45 AM]	60	19 MPH	90 F	---
[11:45 AM-12:00 PM]	63	22 MPH	91 F	---
[12:00 PM-12:15 PM]	45	24 MPH	95 F	---
[12:15 PM-12:30 PM]	64	23 MPH	97 F	---
[12:30 PM-12:45 PM]	71	20 MPH	97 F	---
[12:45 PM-01:00 PM]	65	23 MPH	100 F	---
[01:00 PM-01:15 PM]	68	23 MPH	100 F	---
[01:15 PM-01:30 PM]	67	22 MPH	100 F	---
[01:30 PM-01:45 PM]	56	24 MPH	102 F	---
[01:45 PM-02:00 PM]	84	23 MPH	102 F	---
[02:00 PM-02:15 PM]	86	23 MPH	102 F	---
[02:15 PM-02:30 PM]	57	23 MPH	102 F	---
[02:30 PM-02:45 PM]	85	23 MPH	102 F	---
[02:45 PM-03:00 PM]	82	24 MPH	102 F	---
[03:00 PM-03:15 PM]	61	24 MPH	102 F	---
[03:15 PM-03:30 PM]	61	24 MPH	102 F	---
[03:30 PM-03:45 PM]	53	24 MPH	102 F	---
[03:45 PM-04:00 PM]	44	22 MPH	102 F	---
[04:00 PM-04:15 PM]	44	21 MPH	100 F	---
[04:15 PM-04:30 PM]	54	22 MPH	100 F	---
[04:30 PM-04:45 PM]	41	22 MPH	100 F	---
[04:45 PM-05:00 PM]	42	21 MPH	97 F	---
[05:00 PM-05:15 PM]	44	25 MPH	95 F	---
[05:15 PM-05:30 PM]	50	23 MPH	95 F	---
[05:30 PM-05:45 PM]	53	23 MPH	91 F	---
[05:45 PM-06:00 PM]	40	24 MPH	86 F	---
[06:00 PM-06:15 PM]	35	22 MPH	82 F	---
[06:15 PM-06:30 PM]	40	23 MPH	81 F	---
[06:30 PM-06:45 PM]	31	20 MPH	81 F	---
[06:45 PM-07:00 PM]	32	18 MPH	77 F	---
[07:00 PM-07:15 PM]	24	21 MPH	75 F	---
[07:15 PM-07:30 PM]	21	21 MPH	75 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400588	Location: Downtown Leesburg	Raw Count: 6,504
Operator: AH	Lane: SB 588	AADT Count: 3,252
Begin: 09/30/2021 12:00 AM	Street: S. King Street	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,10/01/2021				
[07:30 PM-07:45 PM]	29	21 MPH	75 F	---
[07:45 PM-08:00 PM]	31	20 MPH	72 F	---
[08:00 PM-08:15 PM]	19	23 MPH	72 F	---
[08:15 PM-08:30 PM]	26	24 MPH	68 F	---
[08:30 PM-08:45 PM]	19	23 MPH	68 F	---
[08:45 PM-09:00 PM]	23	23 MPH	68 F	---
[09:00 PM-09:15 PM]	19	21 MPH	68 F	---
[09:15 PM-09:30 PM]	22	24 MPH	66 F	---
[09:30 PM-09:45 PM]	25	23 MPH	66 F	---
[09:45 PM-10:00 PM]	21	23 MPH	66 F	---
[10:00 PM-10:15 PM]	35	24 MPH	66 F	---
[10:15 PM-10:30 PM]	17	24 MPH	66 F	---
[10:30 PM-10:45 PM]	27	23 MPH	63 F	---
[10:45 PM-11:00 PM]	24	26 MPH	63 F	---
[11:00 PM-11:15 PM]	17	26 MPH	63 F	---
[11:15 PM-11:30 PM]	13	26 MPH	63 F	---
[11:30 PM-11:45 PM]	16	26 MPH	63 F	---
[11:45 PM-12:00 AM]	6	24 MPH	63 F	---
Fri,10/01/2021	3181	23 MPH	74 F	
09/30/2021 12:00 AM				
10/02/2021 12:00 AM	6504	23 MPH	74 F	

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: S. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400588. The study was done in the SB 588 lane at S. King Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 6,504 vehicles passed through the location with a peak volume of 86 on 09/30/2021 at [05:45 PM-06:00 PM] and a minimum volume of 0 on 09/30/2021 at [02:00 AM-02:15 AM]. The AADT count for this study was 3,252.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 23 MPH with 1.99% vehicles exceeding the posted speed of 25 MPH. 0.26% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 29.22 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
512	170	680	2157	2361	488	67	22	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 3186 which represents 49 percent of the total classified vehicles. The number of Vans & Pickups in the study was 2806 which represents 43 percent of the total classified vehicles. The number of Busses & Trucks in the study was 393 which represents 6 percent of the total classified vehicles. The number of Tractor Trailers in the study was 102 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
3186	1942	864	276	74	61	42	52							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [05:45 PM-06:00 PM] the average headway between vehicles was 10.345 seconds. During the slowest traffic period, on 09/30/2021 at [02:00 AM-02:15 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589	Location: Downtown Leesburg	Raw Count: 9,006
Operator: AH	Lane: WB 589	ADT Count: 4,503
Begin: 09/30/2021 12:00 AM	Street: West Market Street SW	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	7	23 MPH	61 F	---
[12:15 AM-12:30 AM]	1	22 MPH	61 F	---
[12:30 AM-12:45 AM]	2	28 MPH	61 F	---
[12:45 AM-01:00 AM]	1	18 MPH	61 F	---
[01:00 AM-01:15 AM]	0	0 MPH	61 F	---
[01:15 AM-01:30 AM]	1	32 MPH	61 F	---
[01:30 AM-01:45 AM]	1	28 MPH	61 F	---
[01:45 AM-02:00 AM]	4	25 MPH	61 F	---
[02:00 AM-02:15 AM]	1	22 MPH	61 F	---
[02:15 AM-02:30 AM]	2	33 MPH	61 F	---
[02:30 AM-02:45 AM]	0	0 MPH	61 F	---
[02:45 AM-03:00 AM]	2	27 MPH	57 F	---
[03:00 AM-03:15 AM]	0	0 MPH	57 F	---
[03:15 AM-03:30 AM]	2	28 MPH	57 F	---
[03:30 AM-03:45 AM]	2	30 MPH	57 F	---
[03:45 AM-04:00 AM]	2	30 MPH	57 F	---
[04:00 AM-04:15 AM]	3	27 MPH	57 F	---
[04:15 AM-04:30 AM]	6	31 MPH	57 F	---
[04:30 AM-04:45 AM]	5	24 MPH	57 F	---
[04:45 AM-05:00 AM]	5	30 MPH	57 F	---
[05:00 AM-05:15 AM]	6	28 MPH	57 F	---
[05:15 AM-05:30 AM]	5	29 MPH	57 F	---
[05:30 AM-05:45 AM]	10	29 MPH	57 F	---
[05:45 AM-06:00 AM]	22	31 MPH	57 F	---
[06:00 AM-06:15 AM]	15	25 MPH	57 F	---
[06:15 AM-06:30 AM]	29	29 MPH	57 F	---
[06:30 AM-06:45 AM]	29	27 MPH	57 F	---
[06:45 AM-07:00 AM]	22	27 MPH	57 F	---
[07:00 AM-07:15 AM]	25	27 MPH	57 F	---
[07:15 AM-07:30 AM]	39	27 MPH	57 F	---
[07:30 AM-07:45 AM]	43	22 MPH	57 F	---
[07:45 AM-08:00 AM]	54	25 MPH	57 F	---
[08:00 AM-08:15 AM]	76	24 MPH	61 F	---
[08:15 AM-08:30 AM]	70	22 MPH	63 F	---
[08:30 AM-08:45 AM]	75	24 MPH	63 F	---
[08:45 AM-09:00 AM]	85	24 MPH	66 F	---
[09:00 AM-09:15 AM]	91	22 MPH	68 F	---
[09:15 AM-09:30 AM]	93	23 MPH	72 F	---
[09:30 AM-09:45 AM]	68	23 MPH	75 F	---
[09:45 AM-10:00 AM]	55	24 MPH	77 F	---
[10:00 AM-10:15 AM]	63	23 MPH	81 F	---
[10:15 AM-10:30 AM]	54	23 MPH	82 F	---
[10:30 AM-10:45 AM]	71	23 MPH	82 F	---
[10:45 AM-11:00 AM]	74	22 MPH	86 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589	Location: Downtown Leesburg	Raw Count: 9,006
Operator: AH	Lane: WB 589	ADT Count: 4,503
Begin: 09/30/2021 12:00 AM	Street: West Market Street SW	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
---------------------	---------------	---------------	---------------------	-------------------------

Thu,09/30/2021

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
[11:00 AM-11:15 AM]	72	20 MPH	90 F	---
[11:15 AM-11:30 AM]	64	20 MPH	91 F	---
[11:30 AM-11:45 AM]	75	21 MPH	91 F	---
[11:45 AM-12:00 PM]	82	20 MPH	95 F	---
[12:00 PM-12:15 PM]	81	20 MPH	97 F	---
[12:15 PM-12:30 PM]	80	22 MPH	97 F	---
[12:30 PM-12:45 PM]	100	22 MPH	95 F	---
[12:45 PM-01:00 PM]	87	23 MPH	97 F	---
[01:00 PM-01:15 PM]	70	22 MPH	97 F	---
[01:15 PM-01:30 PM]	75	22 MPH	100 F	---
[01:30 PM-01:45 PM]	64	22 MPH	102 F	---
[01:45 PM-02:00 PM]	64	21 MPH	100 F	---
[02:00 PM-02:15 PM]	78	20 MPH	100 F	---
[02:15 PM-02:30 PM]	61	21 MPH	100 F	---
[02:30 PM-02:45 PM]	72	22 MPH	100 F	---
[02:45 PM-03:00 PM]	86	22 MPH	100 F	---
[03:00 PM-03:15 PM]	85	20 MPH	100 F	---
[03:15 PM-03:30 PM]	99	21 MPH	91 F	---
[03:30 PM-03:45 PM]	109	23 MPH	90 F	---
[03:45 PM-04:00 PM]	103	24 MPH	86 F	---
[04:00 PM-04:15 PM]	122	23 MPH	82 F	---
[04:15 PM-04:30 PM]	89	24 MPH	82 F	---
[04:30 PM-04:45 PM]	113	22 MPH	82 F	---
[04:45 PM-05:00 PM]	108	24 MPH	81 F	---
[05:00 PM-05:15 PM]	121	24 MPH	81 F	---
[05:15 PM-05:30 PM]	107	22 MPH	81 F	---
[05:30 PM-05:45 PM]	109	23 MPH	77 F	---
[05:45 PM-06:00 PM]	77	24 MPH	77 F	---
[06:00 PM-06:15 PM]	72	25 MPH	77 F	---
[06:15 PM-06:30 PM]	90	25 MPH	77 F	---
[06:30 PM-06:45 PM]	71	24 MPH	75 F	---
[06:45 PM-07:00 PM]	64	23 MPH	75 F	---
[07:00 PM-07:15 PM]	52	22 MPH	75 F	---
[07:15 PM-07:30 PM]	42	24 MPH	72 F	---
[07:30 PM-07:45 PM]	46	23 MPH	72 F	---
[07:45 PM-08:00 PM]	33	25 MPH	72 F	---
[08:00 PM-08:15 PM]	29	26 MPH	68 F	---
[08:15 PM-08:30 PM]	36	24 MPH	68 F	---
[08:30 PM-08:45 PM]	41	24 MPH	68 F	---
[08:45 PM-09:00 PM]	30	24 MPH	68 F	---
[09:00 PM-09:15 PM]	27	25 MPH	68 F	---
[09:15 PM-09:30 PM]	17	26 MPH	68 F	---
[09:30 PM-09:45 PM]	39	26 MPH	68 F	---
[09:45 PM-10:00 PM]	25	25 MPH	66 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589	Location: Downtown Leesburg	Raw Count: 9,006
Operator: AH	Lane: WB 589	AADT Count: 4,503
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Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[10:00 PM-10:15 PM]	19	26 MPH	66 F	---
[10:15 PM-10:30 PM]	11	24 MPH	66 F	---
[10:30 PM-10:45 PM]	6	26 MPH	66 F	---
[10:45 PM-11:00 PM]	13	28 MPH	66 F	---
[11:00 PM-11:15 PM]	4	24 MPH	63 F	---
[11:15 PM-11:30 PM]	6	26 MPH	63 F	---
[11:30 PM-11:45 PM]	7	26 MPH	63 F	---
[11:45 PM-12:00 AM]	5	21 MPH	63 F	---
Thu,09/30/2021	4459	23 MPH	72 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	4	19 MPH	63 F	---
[12:15 AM-12:30 AM]	7	25 MPH	63 F	---
[12:30 AM-12:45 AM]	8	26 MPH	61 F	---
[12:45 AM-01:00 AM]	3	33 MPH	61 F	---
[01:00 AM-01:15 AM]	1	22 MPH	61 F	---
[01:15 AM-01:30 AM]	2	28 MPH	61 F	---
[01:30 AM-01:45 AM]	3	29 MPH	61 F	---
[01:45 AM-02:00 AM]	2	23 MPH	61 F	---
[02:00 AM-02:15 AM]	1	22 MPH	61 F	---
[02:15 AM-02:30 AM]	0	0 MPH	61 F	---
[02:30 AM-02:45 AM]	2	23 MPH	61 F	---
[02:45 AM-03:00 AM]	3	29 MPH	61 F	---
[03:00 AM-03:15 AM]	2	23 MPH	57 F	---
[03:15 AM-03:30 AM]	0	0 MPH	57 F	---
[03:30 AM-03:45 AM]	3	24 MPH	57 F	---
[03:45 AM-04:00 AM]	2	37 MPH	57 F	---
[04:00 AM-04:15 AM]	0	0 MPH	57 F	---
[04:15 AM-04:30 AM]	2	30 MPH	57 F	---
[04:30 AM-04:45 AM]	2	30 MPH	57 F	---
[04:45 AM-05:00 AM]	4	25 MPH	57 F	---
[05:00 AM-05:15 AM]	3	33 MPH	57 F	---
[05:15 AM-05:30 AM]	8	28 MPH	57 F	---
[05:30 AM-05:45 AM]	13	25 MPH	57 F	---
[05:45 AM-06:00 AM]	20	26 MPH	57 F	---
[06:00 AM-06:15 AM]	17	27 MPH	55 F	---
[06:15 AM-06:30 AM]	33	24 MPH	55 F	---
[06:30 AM-06:45 AM]	22	29 MPH	55 F	---
[06:45 AM-07:00 AM]	34	27 MPH	55 F	---
[07:00 AM-07:15 AM]	17	26 MPH	55 F	---
[07:15 AM-07:30 AM]	44	23 MPH	55 F	---
[07:30 AM-07:45 AM]	44	29 MPH	55 F	---
[07:45 AM-08:00 AM]	60	25 MPH	57 F	---
[08:00 AM-08:15 AM]	51	24 MPH	57 F	---
[08:15 AM-08:30 AM]	71	25 MPH	61 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: WB 589 Street: West Market Street SW City: Leesburg County: Loudoun County State: VA	Raw Count: 9,006 ADT Count: 4,503 ADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Fri, 10/01/2021

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
[08:30 AM-08:45 AM]	60	24 MPH	63 F	---
[08:45 AM-09:00 AM]	68	22 MPH	66 F	---
[09:00 AM-09:15 AM]	66	22 MPH	68 F	---
[09:15 AM-09:30 AM]	57	24 MPH	68 F	---
[09:30 AM-09:45 AM]	63	22 MPH	72 F	---
[09:45 AM-10:00 AM]	46	23 MPH	75 F	---
[10:00 AM-10:15 AM]	51	21 MPH	77 F	---
[10:15 AM-10:30 AM]	59	21 MPH	81 F	---
[10:30 AM-10:45 AM]	64	22 MPH	82 F	---
[10:45 AM-11:00 AM]	56	23 MPH	86 F	---
[11:00 AM-11:15 AM]	64	23 MPH	90 F	---
[11:15 AM-11:30 AM]	70	22 MPH	90 F	---
[11:30 AM-11:45 AM]	65	21 MPH	91 F	---
[11:45 AM-12:00 PM]	71	21 MPH	95 F	---
[12:00 PM-12:15 PM]	62	24 MPH	95 F	---
[12:15 PM-12:30 PM]	71	23 MPH	97 F	---
[12:30 PM-12:45 PM]	64	23 MPH	97 F	---
[12:45 PM-01:00 PM]	85	21 MPH	97 F	---
[01:00 PM-01:15 PM]	71	22 MPH	100 F	---
[01:15 PM-01:30 PM]	59	22 MPH	100 F	---
[01:30 PM-01:45 PM]	65	23 MPH	102 F	---
[01:45 PM-02:00 PM]	65	22 MPH	102 F	---
[02:00 PM-02:15 PM]	63	21 MPH	102 F	---
[02:15 PM-02:30 PM]	87	22 MPH	102 F	---
[02:30 PM-02:45 PM]	77	23 MPH	102 F	---
[02:45 PM-03:00 PM]	84	24 MPH	102 F	---
[03:00 PM-03:15 PM]	76	21 MPH	100 F	---
[03:15 PM-03:30 PM]	88	23 MPH	91 F	---
[03:30 PM-03:45 PM]	122	22 MPH	90 F	---
[03:45 PM-04:00 PM]	144	22 MPH	86 F	---
[04:00 PM-04:15 PM]	106	22 MPH	82 F	---
[04:15 PM-04:30 PM]	116	24 MPH	82 F	---
[04:30 PM-04:45 PM]	129	22 MPH	82 F	---
[04:45 PM-05:00 PM]	121	22 MPH	81 F	---
[05:00 PM-05:15 PM]	111	22 MPH	81 F	---
[05:15 PM-05:30 PM]	109	22 MPH	81 F	---
[05:30 PM-05:45 PM]	127	22 MPH	77 F	---
[05:45 PM-06:00 PM]	83	23 MPH	77 F	---
[06:00 PM-06:15 PM]	95	21 MPH	77 F	---
[06:15 PM-06:30 PM]	84	20 MPH	75 F	---
[06:30 PM-06:45 PM]	81	21 MPH	75 F	---
[06:45 PM-07:00 PM]	92	19 MPH	75 F	---
[07:00 PM-07:15 PM]	45	22 MPH	72 F	---
[07:15 PM-07:30 PM]	58	22 MPH	72 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400589 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: WB 589 Street: West Market Street SW City: Leesburg County: Loudoun County State: VA	Raw Count: 9,006 ADT Count: 4,503 ADT Factor: 1 Speed Limit: 25
---	---	--

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry										
Fri,10/01/2021														
[07:30 PM-07:45 PM]	67	21 MPH	72 F	---										
[07:45 PM-08:00 PM]	39	24 MPH	68 F	---										
[08:00 PM-08:15 PM]	42	23 MPH	68 F	---										
[08:15 PM-08:30 PM]	36	24 MPH	68 F	---										
[08:30 PM-08:45 PM]	42	23 MPH	68 F	---										
[08:45 PM-09:00 PM]	37	20 MPH	66 F	---										
[09:00 PM-09:15 PM]	37	22 MPH	66 F	---										
[09:15 PM-09:30 PM]	29	22 MPH	66 F	---										
[09:30 PM-09:45 PM]	31	20 MPH	66 F	---										
[09:45 PM-10:00 PM]	39	23 MPH	66 F	---										
[10:00 PM-10:15 PM]	39	22 MPH	63 F	---										
[10:15 PM-10:30 PM]	29	25 MPH	63 F	---										
[10:30 PM-10:45 PM]	18	22 MPH	63 F	---										
[10:45 PM-11:00 PM]	20	25 MPH	63 F	---										
[11:00 PM-11:15 PM]	13	22 MPH	63 F	---										
[11:15 PM-11:30 PM]	16	23 MPH	63 F	---										
[11:30 PM-11:45 PM]	13	30 MPH	63 F	---										
[11:45 PM-12:00 AM]	12	26 MPH	61 F	---										
Fri,10/01/2021	4547	23 MPH	72 F											
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">09/30/2021 12:00 AM</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td>10/02/2021 12:00 AM</td> <td style="text-align: center;">9006</td> <td style="text-align: center;">23 MPH</td> <td style="text-align: center;">72 F</td> <td></td> </tr> </table>					09/30/2021 12:00 AM					10/02/2021 12:00 AM	9006	23 MPH	72 F	
09/30/2021 12:00 AM														
10/02/2021 12:00 AM	9006	23 MPH	72 F											

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: West Market Street SW
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400589. The study was done in the WB 589 lane at West Market Street SW in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 9,006 vehicles passed through the location with a peak volume of 144 on 10/01/2021 at [03:45 PM-04:00 PM] and a minimum volume of 0 on 09/30/2021 at [01:00 AM-01:15 AM]. The AADT count for this study was 4,503.

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 23 MPH with 1.13% vehicles exceeding the posted speed of 25 MPH. 0.12% 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 28.11 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
303	268	1398	4227	2291	401	66	18	18						

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 4055 which represents 45 percent of the total classified vehicles. The number of Vans & Pickups in the study was 4002 which represents 45 percent of the total classified vehicles. The number of Busses & Trucks in the study was 768 which represents 9 percent of the total classified vehicles. The number of Tractor Trailers in the study was 143 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
4055	2827	1175	520	181	94	51	87							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [03:45 PM-04:00 PM] the average headway between vehicles was 6.207 seconds. During the slowest traffic period, on 09/30/2021 at [01:00 AM-01:15 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400641	Location: Downtown Leesburg	Raw Count: 7,821
Operator: AH	Lane: WB 641	AADT Count: 3,911
Begin: 09/30/2021 12:00 AM	Street: Loudoun Street SE	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	3	23 MPH	61 F	---
[12:15 AM-12:30 AM]	4	25 MPH	61 F	---
[12:30 AM-12:45 AM]	1	22 MPH	61 F	---
[12:45 AM-01:00 AM]	4	35 MPH	61 F	---
[01:00 AM-01:15 AM]	0	0 MPH	61 F	---
[01:15 AM-01:30 AM]	1	28 MPH	61 F	---
[01:30 AM-01:45 AM]	3	17 MPH	61 F	---
[01:45 AM-02:00 AM]	2	23 MPH	61 F	---
[02:00 AM-02:15 AM]	0	0 MPH	57 F	---
[02:15 AM-02:30 AM]	0	0 MPH	57 F	---
[02:30 AM-02:45 AM]	1	22 MPH	57 F	---
[02:45 AM-03:00 AM]	0	0 MPH	57 F	---
[03:00 AM-03:15 AM]	0	0 MPH	57 F	---
[03:15 AM-03:30 AM]	1	28 MPH	57 F	---
[03:30 AM-03:45 AM]	1	32 MPH	57 F	---
[03:45 AM-04:00 AM]	0	0 MPH	57 F	---
[04:00 AM-04:15 AM]	1	72 MPH	57 F	---
[04:15 AM-04:30 AM]	2	30 MPH	57 F	---
[04:30 AM-04:45 AM]	0	0 MPH	57 F	---
[04:45 AM-05:00 AM]	2	27 MPH	57 F	---
[05:00 AM-05:15 AM]	2	22 MPH	57 F	---
[05:15 AM-05:30 AM]	1	32 MPH	57 F	---
[05:30 AM-05:45 AM]	4	27 MPH	55 F	---
[05:45 AM-06:00 AM]	10	20 MPH	55 F	---
[06:00 AM-06:15 AM]	7	24 MPH	55 F	---
[06:15 AM-06:30 AM]	7	18 MPH	55 F	---
[06:30 AM-06:45 AM]	10	21 MPH	55 F	---
[06:45 AM-07:00 AM]	18	20 MPH	55 F	---
[07:00 AM-07:15 AM]	8	18 MPH	55 F	---
[07:15 AM-07:30 AM]	19	21 MPH	55 F	---
[07:30 AM-07:45 AM]	26	19 MPH	57 F	---
[07:45 AM-08:00 AM]	38	19 MPH	57 F	---
[08:00 AM-08:15 AM]	33	20 MPH	57 F	---
[08:15 AM-08:30 AM]	48	19 MPH	61 F	---
[08:30 AM-08:45 AM]	51	16 MPH	63 F	---
[08:45 AM-09:00 AM]	57	18 MPH	66 F	---
[09:00 AM-09:15 AM]	58	18 MPH	68 F	---
[09:15 AM-09:30 AM]	51	17 MPH	72 F	---
[09:30 AM-09:45 AM]	56	16 MPH	75 F	---
[09:45 AM-10:00 AM]	48	18 MPH	77 F	---
[10:00 AM-10:15 AM]	61	14 MPH	81 F	---
[10:15 AM-10:30 AM]	42	18 MPH	82 F	---
[10:30 AM-10:45 AM]	52	17 MPH	86 F	---
[10:45 AM-11:00 AM]	58	16 MPH	86 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400641	Location: Downtown Leesburg	Raw Count: 7,821
Operator: AH	Lane: WB 641	AADT Count: 3,911
Begin: 09/30/2021 12:00 AM	Street: Loudoun Street SE	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[11:00 AM-11:15 AM]	54	15 MPH	90 F	---
[11:15 AM-11:30 AM]	62	15 MPH	91 F	---
[11:30 AM-11:45 AM]	57	16 MPH	91 F	---
[11:45 AM-12:00 PM]	62	14 MPH	95 F	---
[12:00 PM-12:15 PM]	79	14 MPH	95 F	---
[12:15 PM-12:30 PM]	79	13 MPH	97 F	---
[12:30 PM-12:45 PM]	73	11 MPH	95 F	---
[12:45 PM-01:00 PM]	47	13 MPH	95 F	---
[01:00 PM-01:15 PM]	75	13 MPH	97 F	---
[01:15 PM-01:30 PM]	63	16 MPH	97 F	---
[01:30 PM-01:45 PM]	59	16 MPH	100 F	---
[01:45 PM-02:00 PM]	78	14 MPH	97 F	---
[02:00 PM-02:15 PM]	64	14 MPH	97 F	---
[02:15 PM-02:30 PM]	59	14 MPH	97 F	---
[02:30 PM-02:45 PM]	72	14 MPH	100 F	---
[02:45 PM-03:00 PM]	68	15 MPH	100 F	---
[03:00 PM-03:15 PM]	75	13 MPH	100 F	---
[03:15 PM-03:30 PM]	70	14 MPH	95 F	---
[03:30 PM-03:45 PM]	72	14 MPH	90 F	---
[03:45 PM-04:00 PM]	71	16 MPH	86 F	---
[04:00 PM-04:15 PM]	95	15 MPH	82 F	---
[04:15 PM-04:30 PM]	79	13 MPH	82 F	---
[04:30 PM-04:45 PM]	70	14 MPH	81 F	---
[04:45 PM-05:00 PM]	67	16 MPH	81 F	---
[05:00 PM-05:15 PM]	120	11 MPH	81 F	---
[05:15 PM-05:30 PM]	109	13 MPH	81 F	---
[05:30 PM-05:45 PM]	81	14 MPH	77 F	---
[05:45 PM-06:00 PM]	81	11 MPH	77 F	---
[06:00 PM-06:15 PM]	77	13 MPH	77 F	---
[06:15 PM-06:30 PM]	58	13 MPH	77 F	---
[06:30 PM-06:45 PM]	69	14 MPH	75 F	---
[06:45 PM-07:00 PM]	76	15 MPH	75 F	---
[07:00 PM-07:15 PM]	59	16 MPH	75 F	---
[07:15 PM-07:30 PM]	51	15 MPH	72 F	---
[07:30 PM-07:45 PM]	58	17 MPH	72 F	---
[07:45 PM-08:00 PM]	50	15 MPH	72 F	---
[08:00 PM-08:15 PM]	44	16 MPH	68 F	---
[08:15 PM-08:30 PM]	35	19 MPH	68 F	---
[08:30 PM-08:45 PM]	40	19 MPH	68 F	---
[08:45 PM-09:00 PM]	23	16 MPH	68 F	---
[09:00 PM-09:15 PM]	34	15 MPH	68 F	---
[09:15 PM-09:30 PM]	23	20 MPH	66 F	---
[09:30 PM-09:45 PM]	25	19 MPH	66 F	---
[09:45 PM-10:00 PM]	19	21 MPH	66 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400641 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: WB 641 Street: Loudoun Street SE City: Leesburg County: Loudoun County State: VA	Raw Count: 7,821 AADT Count: 3,911 AADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,09/30/2021				
[10:00 PM-10:15 PM]	19	19 MPH	66 F	---
[10:15 PM-10:30 PM]	7	21 MPH	66 F	---
[10:30 PM-10:45 PM]	18	20 MPH	66 F	---
[10:45 PM-11:00 PM]	7	21 MPH	63 F	---
[11:00 PM-11:15 PM]	12	17 MPH	63 F	---
[11:15 PM-11:30 PM]	7	20 MPH	63 F	---
[11:30 PM-11:45 PM]	2	20 MPH	63 F	---
[11:45 PM-12:00 AM]	4	18 MPH	63 F	---
Thu,09/30/2021	3649	15 MPH	72 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	6	17 MPH	63 F	---
[12:15 AM-12:30 AM]	4	22 MPH	61 F	---
[12:30 AM-12:45 AM]	5	26 MPH	61 F	---
[12:45 AM-01:00 AM]	4	28 MPH	61 F	---
[01:00 AM-01:15 AM]	2	23 MPH	61 F	---
[01:15 AM-01:30 AM]	1	28 MPH	61 F	---
[01:30 AM-01:45 AM]	1	28 MPH	61 F	---
[01:45 AM-02:00 AM]	1	28 MPH	61 F	---
[02:00 AM-02:15 AM]	0	0 MPH	61 F	---
[02:15 AM-02:30 AM]	0	0 MPH	61 F	---
[02:30 AM-02:45 AM]	0	0 MPH	57 F	---
[02:45 AM-03:00 AM]	0	0 MPH	57 F	---
[03:00 AM-03:15 AM]	2	25 MPH	57 F	---
[03:15 AM-03:30 AM]	1	22 MPH	57 F	---
[03:30 AM-03:45 AM]	2	28 MPH	57 F	---
[03:45 AM-04:00 AM]	1	22 MPH	57 F	---
[04:00 AM-04:15 AM]	0	0 MPH	57 F	---
[04:15 AM-04:30 AM]	0	0 MPH	57 F	---
[04:30 AM-04:45 AM]	3	24 MPH	57 F	---
[04:45 AM-05:00 AM]	1	4 MPH	57 F	---
[05:00 AM-05:15 AM]	1	0 MPH	55 F	---
[05:15 AM-05:30 AM]	5	22 MPH	55 F	---
[05:30 AM-05:45 AM]	3	17 MPH	55 F	---
[05:45 AM-06:00 AM]	3	26 MPH	55 F	---
[06:00 AM-06:15 AM]	10	23 MPH	55 F	---
[06:15 AM-06:30 AM]	6	16 MPH	55 F	---
[06:30 AM-06:45 AM]	8	17 MPH	55 F	---
[06:45 AM-07:00 AM]	16	19 MPH	55 F	---
[07:00 AM-07:15 AM]	17	24 MPH	55 F	---
[07:15 AM-07:30 AM]	17	22 MPH	55 F	---
[07:30 AM-07:45 AM]	27	22 MPH	55 F	---
[07:45 AM-08:00 AM]	46	17 MPH	55 F	---
[08:00 AM-08:15 AM]	38	19 MPH	57 F	---
[08:15 AM-08:30 AM]	42	17 MPH	61 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400641 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: WB 641 Street: Loudoun Street SE City: Leesburg County: Loudoun County State: VA	Raw Count: 7,821 AADT Count: 3,911 AADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Fri, 10/01/2021

[08:30 AM-08:45 AM]	45	19 MPH	63 F	---
[08:45 AM-09:00 AM]	52	16 MPH	66 F	---
[09:00 AM-09:15 AM]	51	16 MPH	68 F	---
[09:15 AM-09:30 AM]	36	17 MPH	72 F	---
[09:30 AM-09:45 AM]	37	18 MPH	75 F	---
[09:45 AM-10:00 AM]	52	15 MPH	77 F	---
[10:00 AM-10:15 AM]	45	16 MPH	81 F	---
[10:15 AM-10:30 AM]	34	17 MPH	82 F	---
[10:30 AM-10:45 AM]	51	17 MPH	82 F	---
[10:45 AM-11:00 AM]	74	13 MPH	86 F	---
[11:00 AM-11:15 AM]	54	13 MPH	90 F	---
[11:15 AM-11:30 AM]	49	16 MPH	91 F	---
[11:30 AM-11:45 AM]	66	13 MPH	95 F	---
[11:45 AM-12:00 PM]	70	12 MPH	95 F	---
[12:00 PM-12:15 PM]	63	14 MPH	95 F	---
[12:15 PM-12:30 PM]	54	14 MPH	97 F	---
[12:30 PM-12:45 PM]	72	13 MPH	100 F	---
[12:45 PM-01:00 PM]	69	14 MPH	97 F	---
[01:00 PM-01:15 PM]	61	13 MPH	100 F	---
[01:15 PM-01:30 PM]	61	13 MPH	100 F	---
[01:30 PM-01:45 PM]	82	11 MPH	102 F	---
[01:45 PM-02:00 PM]	99	11 MPH	100 F	---
[02:00 PM-02:15 PM]	82	12 MPH	100 F	---
[02:15 PM-02:30 PM]	78	12 MPH	100 F	---
[02:30 PM-02:45 PM]	92	11 MPH	100 F	---
[02:45 PM-03:00 PM]	97	13 MPH	100 F	---
[03:00 PM-03:15 PM]	74	14 MPH	100 F	---
[03:15 PM-03:30 PM]	86	12 MPH	95 F	---
[03:30 PM-03:45 PM]	107	13 MPH	90 F	---
[03:45 PM-04:00 PM]	103	13 MPH	86 F	---
[04:00 PM-04:15 PM]	92	13 MPH	82 F	---
[04:15 PM-04:30 PM]	102	13 MPH	82 F	---
[04:30 PM-04:45 PM]	109	11 MPH	82 F	---
[04:45 PM-05:00 PM]	86	12 MPH	81 F	---
[05:00 PM-05:15 PM]	92	9 MPH	81 F	---
[05:15 PM-05:30 PM]	111	10 MPH	81 F	---
[05:30 PM-05:45 PM]	91	9 MPH	81 F	---
[05:45 PM-06:00 PM]	82	11 MPH	77 F	---
[06:00 PM-06:15 PM]	86	11 MPH	77 F	---
[06:15 PM-06:30 PM]	88	10 MPH	77 F	---
[06:30 PM-06:45 PM]	87	9 MPH	77 F	---
[06:45 PM-07:00 PM]	74	8 MPH	77 F	---
[07:00 PM-07:15 PM]	57	9 MPH	75 F	---
[07:15 PM-07:30 PM]	56	11 MPH	75 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400641	Location: Downtown Leesburg	Raw Count: 7,821
Operator: AH	Lane: WB 641	ADT Count: 3,911
Begin: 09/30/2021 12:00 AM	Street: Loudoun Street SE	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,10/01/2021				
[07:30 PM-07:45 PM]	63	9 MPH	72 F	---
[07:45 PM-08:00 PM]	60	8 MPH	72 F	---
[08:00 PM-08:15 PM]	55	13 MPH	72 F	---
[08:15 PM-08:30 PM]	39	12 MPH	68 F	---
[08:30 PM-08:45 PM]	49	14 MPH	68 F	---
[08:45 PM-09:00 PM]	42	15 MPH	68 F	---
[09:00 PM-09:15 PM]	41	17 MPH	68 F	---
[09:15 PM-09:30 PM]	35	15 MPH	66 F	---
[09:30 PM-09:45 PM]	58	14 MPH	66 F	---
[09:45 PM-10:00 PM]	42	16 MPH	66 F	---
[10:00 PM-10:15 PM]	48	16 MPH	66 F	---
[10:15 PM-10:30 PM]	33	17 MPH	66 F	---
[10:30 PM-10:45 PM]	26	16 MPH	63 F	---
[10:45 PM-11:00 PM]	22	17 MPH	63 F	---
[11:00 PM-11:15 PM]	23	20 MPH	63 F	---
[11:15 PM-11:30 PM]	16	18 MPH	63 F	---
[11:30 PM-11:45 PM]	24	18 MPH	63 F	---
[11:45 PM-12:00 AM]	14	20 MPH	63 F	---
Fri,10/01/2021	4172	13 MPH	72 F	
09/30/2021 12:00 AM				
10/02/2021 12:00 AM				
	7821	14 MPH	72 F	

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Loudoun Street SE
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400641. The study was done in the WB 641 lane at Loudoun Street SE in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 7,821 vehicles passed through the location with a peak volume of 120 on 09/30/2021 at [05:00 PM-05:15 PM] and a minimum volume of 0 on 09/30/2021 at [01:00 AM-01:15 AM]. The AADT count for this study was 3,911.

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 14 MPH with 0.95% vehicles exceeding the posted speed of 25 MPH. 0.41% 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 20.54 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
1974	2265	2223	919	249	51	16	8	50						

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 5011 which represents 65 percent of the total classified vehicles. The number of Vans & Pickups in the study was 2131 which represents 28 percent of the total classified vehicles. The number of Busses & Trucks in the study was 448 which represents 6 percent of the total classified vehicles. The number of Tractor Trailers in the study was 129 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
5011	1604	527	262	111	93	38	109							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [05:00 PM-05:15 PM] the average headway between vehicles was 7.438 seconds. During the slowest traffic period, on 09/30/2021 at [01:00 AM-01:15 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400875 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: EB 875 Street: Loudoun Street SW City: Leesburg County: Loudoun County State: VA	Raw Count: 7,520 AADT Count: 3,760 AADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	4	23 MPH	55 F	---
[12:15 AM-12:30 AM]	2	28 MPH	55 F	---
[12:30 AM-12:45 AM]	2	28 MPH	55 F	---
[12:45 AM-01:00 AM]	0	0 MPH	55 F	---
[01:00 AM-01:15 AM]	2	30 MPH	52 F	---
[01:15 AM-01:30 AM]	0	0 MPH	52 F	---
[01:30 AM-01:45 AM]	4	23 MPH	52 F	---
[01:45 AM-02:00 AM]	1	28 MPH	52 F	---
[02:00 AM-02:15 AM]	1	28 MPH	52 F	---
[02:15 AM-02:30 AM]	0	0 MPH	52 F	---
[02:30 AM-02:45 AM]	0	0 MPH	52 F	---
[02:45 AM-03:00 AM]	2	18 MPH	52 F	---
[03:00 AM-03:15 AM]	0	0 MPH	52 F	---
[03:15 AM-03:30 AM]	0	0 MPH	52 F	---
[03:30 AM-03:45 AM]	0	0 MPH	52 F	---
[03:45 AM-04:00 AM]	2	28 MPH	52 F	---
[04:00 AM-04:15 AM]	5	32 MPH	52 F	---
[04:15 AM-04:30 AM]	3	23 MPH	52 F	---
[04:30 AM-04:45 AM]	7	23 MPH	52 F	---
[04:45 AM-05:00 AM]	15	26 MPH	52 F	---
[05:00 AM-05:15 AM]	11	30 MPH	52 F	---
[05:15 AM-05:30 AM]	24	24 MPH	52 F	---
[05:30 AM-05:45 AM]	27	26 MPH	52 F	---
[05:45 AM-06:00 AM]	19	26 MPH	52 F	---
[06:00 AM-06:15 AM]	37	24 MPH	52 F	---
[06:15 AM-06:30 AM]	38	27 MPH	52 F	---
[06:30 AM-06:45 AM]	52	25 MPH	52 F	---
[06:45 AM-07:00 AM]	50	23 MPH	52 F	---
[07:00 AM-07:15 AM]	62	21 MPH	52 F	---
[07:15 AM-07:30 AM]	54	22 MPH	52 F	---
[07:30 AM-07:45 AM]	71	24 MPH	52 F	---
[07:45 AM-08:00 AM]	105	21 MPH	52 F	---
[08:00 AM-08:15 AM]	97	17 MPH	55 F	---
[08:15 AM-08:30 AM]	99	20 MPH	55 F	---
[08:30 AM-08:45 AM]	100	21 MPH	57 F	---
[08:45 AM-09:00 AM]	105	16 MPH	61 F	---
[09:00 AM-09:15 AM]	95	21 MPH	61 F	---
[09:15 AM-09:30 AM]	65	20 MPH	63 F	---
[09:30 AM-09:45 AM]	59	19 MPH	66 F	---
[09:45 AM-10:00 AM]	68	22 MPH	68 F	---
[10:00 AM-10:15 AM]	35	22 MPH	68 F	---
[10:15 AM-10:30 AM]	42	22 MPH	72 F	---
[10:30 AM-10:45 AM]	48	21 MPH	75 F	---
[10:45 AM-11:00 AM]	58	19 MPH	77 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400875	Location: Downtown Leesburg	Raw Count: 7,520
Operator: AH	Lane: EB 875	AADT Count: 3,760
Begin: 09/30/2021 12:00 AM	Street: Loudoun Street SW	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[11:00 AM-11:15 AM]	60	21 MPH	72 F	---
[11:15 AM-11:30 AM]	55	15 MPH	68 F	---
[11:30 AM-11:45 AM]	80	18 MPH	66 F	---
[11:45 AM-12:00 PM]	67	18 MPH	66 F	---
[12:00 PM-12:15 PM]	71	19 MPH	66 F	---
[12:15 PM-12:30 PM]	48	20 MPH	66 F	---
[12:30 PM-12:45 PM]	61	19 MPH	66 F	---
[12:45 PM-01:00 PM]	62	19 MPH	66 F	---
[01:00 PM-01:15 PM]	62	18 MPH	66 F	---
[01:15 PM-01:30 PM]	46	20 MPH	66 F	---
[01:30 PM-01:45 PM]	44	20 MPH	66 F	---
[01:45 PM-02:00 PM]	54	19 MPH	66 F	---
[02:00 PM-02:15 PM]	56	22 MPH	66 F	---
[02:15 PM-02:30 PM]	41	21 MPH	66 F	---
[02:30 PM-02:45 PM]	60	19 MPH	66 F	---
[02:45 PM-03:00 PM]	52	21 MPH	66 F	---
[03:00 PM-03:15 PM]	49	19 MPH	66 F	---
[03:15 PM-03:30 PM]	51	21 MPH	66 F	---
[03:30 PM-03:45 PM]	52	20 MPH	66 F	---
[03:45 PM-04:00 PM]	43	20 MPH	66 F	---
[04:00 PM-04:15 PM]	45	17 MPH	66 F	---
[04:15 PM-04:30 PM]	58	18 MPH	66 F	---
[04:30 PM-04:45 PM]	71	11 MPH	66 F	---
[04:45 PM-05:00 PM]	59	18 MPH	66 F	---
[05:00 PM-05:15 PM]	60	20 MPH	66 F	---
[05:15 PM-05:30 PM]	51	18 MPH	63 F	---
[05:30 PM-05:45 PM]	41	21 MPH	63 F	---
[05:45 PM-06:00 PM]	60	20 MPH	63 F	---
[06:00 PM-06:15 PM]	52	22 MPH	63 F	---
[06:15 PM-06:30 PM]	46	21 MPH	63 F	---
[06:30 PM-06:45 PM]	54	22 MPH	63 F	---
[06:45 PM-07:00 PM]	45	22 MPH	63 F	---
[07:00 PM-07:15 PM]	46	19 MPH	61 F	---
[07:15 PM-07:30 PM]	36	23 MPH	61 F	---
[07:30 PM-07:45 PM]	29	22 MPH	61 F	---
[07:45 PM-08:00 PM]	24	19 MPH	61 F	---
[08:00 PM-08:15 PM]	25	23 MPH	61 F	---
[08:15 PM-08:30 PM]	27	21 MPH	61 F	---
[08:30 PM-08:45 PM]	22	19 MPH	57 F	---
[08:45 PM-09:00 PM]	14	20 MPH	57 F	---
[09:00 PM-09:15 PM]	28	18 MPH	57 F	---
[09:15 PM-09:30 PM]	9	23 MPH	57 F	---
[09:30 PM-09:45 PM]	8	24 MPH	57 F	---
[09:45 PM-10:00 PM]	7	30 MPH	57 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400875 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: EB 875 Street: Loudoun Street SW City: Leesburg County: Loudoun County State: VA	Raw Count: 7,520 AADT Count: 3,760 AADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021				
[10:00 PM-10:15 PM]	8	21 MPH	57 F	---
[10:15 PM-10:30 PM]	9	25 MPH	57 F	---
[10:30 PM-10:45 PM]	6	24 MPH	57 F	---
[10:45 PM-11:00 PM]	7	26 MPH	57 F	---
[11:00 PM-11:15 PM]	6	17 MPH	55 F	---
[11:15 PM-11:30 PM]	4	27 MPH	55 F	---
[11:30 PM-11:45 PM]	7	22 MPH	55 F	---
[11:45 PM-12:00 AM]	4	28 MPH	55 F	---
Thu,09/30/2021	3553	20 MPH	59 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	1	28 MPH	55 F	---
[12:15 AM-12:30 AM]	1	12 MPH	55 F	---
[12:30 AM-12:45 AM]	1	28 MPH	55 F	---
[12:45 AM-01:00 AM]	2	25 MPH	55 F	---
[01:00 AM-01:15 AM]	2	23 MPH	52 F	---
[01:15 AM-01:30 AM]	1	28 MPH	52 F	---
[01:30 AM-01:45 AM]	1	18 MPH	52 F	---
[01:45 AM-02:00 AM]	1	22 MPH	52 F	---
[02:00 AM-02:15 AM]	0	0 MPH	52 F	---
[02:15 AM-02:30 AM]	0	0 MPH	52 F	---
[02:30 AM-02:45 AM]	0	0 MPH	52 F	---
[02:45 AM-03:00 AM]	1	12 MPH	52 F	---
[03:00 AM-03:15 AM]	1	22 MPH	52 F	---
[03:15 AM-03:30 AM]	1	18 MPH	52 F	---
[03:30 AM-03:45 AM]	1	28 MPH	52 F	---
[03:45 AM-04:00 AM]	4	29 MPH	52 F	---
[04:00 AM-04:15 AM]	3	33 MPH	52 F	---
[04:15 AM-04:30 AM]	6	24 MPH	52 F	---
[04:30 AM-04:45 AM]	5	25 MPH	52 F	---
[04:45 AM-05:00 AM]	11	26 MPH	48 F	---
[05:00 AM-05:15 AM]	14	24 MPH	48 F	---
[05:15 AM-05:30 AM]	17	25 MPH	48 F	---
[05:30 AM-05:45 AM]	31	23 MPH	48 F	---
[05:45 AM-06:00 AM]	23	25 MPH	48 F	---
[06:00 AM-06:15 AM]	40	24 MPH	48 F	---
[06:15 AM-06:30 AM]	39	25 MPH	48 F	---
[06:30 AM-06:45 AM]	44	24 MPH	48 F	---
[06:45 AM-07:00 AM]	57	23 MPH	48 F	---
[07:00 AM-07:15 AM]	63	22 MPH	48 F	---
[07:15 AM-07:30 AM]	69	22 MPH	48 F	---
[07:30 AM-07:45 AM]	89	24 MPH	48 F	---
[07:45 AM-08:00 AM]	82	21 MPH	52 F	---
[08:00 AM-08:15 AM]	98	22 MPH	52 F	---
[08:15 AM-08:30 AM]	105	19 MPH	55 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400875	Location: Downtown Leesburg	Raw Count: 7,520
Operator: AH	Lane: EB 875	ADT Count: 3,760
Begin: 09/30/2021 12:00 AM	Street: Loudoun Street SW	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,10/01/2021				
[08:30 AM-08:45 AM]	80	19 MPH	55 F	---
[08:45 AM-09:00 AM]	101	21 MPH	57 F	---
[09:00 AM-09:15 AM]	74	22 MPH	61 F	---
[09:15 AM-09:30 AM]	61	22 MPH	61 F	---
[09:30 AM-09:45 AM]	65	23 MPH	63 F	---
[09:45 AM-10:00 AM]	53	21 MPH	66 F	---
[10:00 AM-10:15 AM]	58	21 MPH	66 F	---
[10:15 AM-10:30 AM]	52	21 MPH	72 F	---
[10:30 AM-10:45 AM]	62	21 MPH	72 F	---
[10:45 AM-11:00 AM]	48	20 MPH	72 F	---
[11:00 AM-11:15 AM]	66	16 MPH	66 F	---
[11:15 AM-11:30 AM]	48	21 MPH	63 F	---
[11:30 AM-11:45 AM]	60	20 MPH	63 F	---
[11:45 AM-12:00 PM]	61	19 MPH	61 F	---
[12:00 PM-12:15 PM]	65	17 MPH	63 F	---
[12:15 PM-12:30 PM]	72	20 MPH	61 F	---
[12:30 PM-12:45 PM]	59	20 MPH	61 F	---
[12:45 PM-01:00 PM]	55	20 MPH	61 F	---
[01:00 PM-01:15 PM]	62	19 MPH	61 F	---
[01:15 PM-01:30 PM]	56	20 MPH	61 F	---
[01:30 PM-01:45 PM]	51	18 MPH	61 F	---
[01:45 PM-02:00 PM]	55	18 MPH	61 F	---
[02:00 PM-02:15 PM]	39	18 MPH	63 F	---
[02:15 PM-02:30 PM]	38	20 MPH	63 F	---
[02:30 PM-02:45 PM]	69	17 MPH	63 F	---
[02:45 PM-03:00 PM]	50	19 MPH	63 F	---
[03:00 PM-03:15 PM]	57	17 MPH	63 F	---
[03:15 PM-03:30 PM]	58	20 MPH	63 F	---
[03:30 PM-03:45 PM]	62	19 MPH	63 F	---
[03:45 PM-04:00 PM]	58	21 MPH	63 F	---
[04:00 PM-04:15 PM]	62	19 MPH	63 F	---
[04:15 PM-04:30 PM]	68	16 MPH	63 F	---
[04:30 PM-04:45 PM]	67	21 MPH	63 F	---
[04:45 PM-05:00 PM]	76	18 MPH	63 F	---
[05:00 PM-05:15 PM]	94	15 MPH	63 F	---
[05:15 PM-05:30 PM]	68	17 MPH	63 F	---
[05:30 PM-05:45 PM]	76	19 MPH	63 F	---
[05:45 PM-06:00 PM]	65	18 MPH	63 F	---
[06:00 PM-06:15 PM]	58	18 MPH	63 F	---
[06:15 PM-06:30 PM]	77	16 MPH	63 F	---
[06:30 PM-06:45 PM]	62	17 MPH	61 F	---
[06:45 PM-07:00 PM]	63	16 MPH	61 F	---
[07:00 PM-07:15 PM]	61	15 MPH	61 F	---
[07:15 PM-07:30 PM]	55	18 MPH	61 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400875	Location: Downtown Leesburg	Raw Count: 7,520
Operator: AH	Lane: EB 875	ADT Count: 3,760
Begin: 09/30/2021 12:00 AM	Street: Loudoun Street SW	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry										
Fri,10/01/2021														
[07:30 PM-07:45 PM]	40	17 MPH	61 F	---										
[07:45 PM-08:00 PM]	30	19 MPH	57 F	---										
[08:00 PM-08:15 PM]	27	20 MPH	57 F	---										
[08:15 PM-08:30 PM]	34	20 MPH	57 F	---										
[08:30 PM-08:45 PM]	33	18 MPH	57 F	---										
[08:45 PM-09:00 PM]	22	19 MPH	57 F	---										
[09:00 PM-09:15 PM]	11	21 MPH	55 F	---										
[09:15 PM-09:30 PM]	27	21 MPH	55 F	---										
[09:30 PM-09:45 PM]	42	19 MPH	55 F	---										
[09:45 PM-10:00 PM]	35	19 MPH	55 F	---										
[10:00 PM-10:15 PM]	24	17 MPH	55 F	---										
[10:15 PM-10:30 PM]	18	17 MPH	55 F	---										
[10:30 PM-10:45 PM]	24	18 MPH	55 F	---										
[10:45 PM-11:00 PM]	12	24 MPH	55 F	---										
[11:00 PM-11:15 PM]	8	21 MPH	55 F	---										
[11:15 PM-11:30 PM]	3	24 MPH	55 F	---										
[11:30 PM-11:45 PM]	8	24 MPH	52 F	---										
[11:45 PM-12:00 AM]	8	24 MPH	52 F	---										
Fri,10/01/2021	3967	20 MPH	57 F											
<table border="1"> <tr> <td>09/30/2021 12:00 AM</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10/02/2021 12:00 AM</td> <td>7520</td> <td>20 MPH</td> <td>58 F</td> <td></td> </tr> </table>					09/30/2021 12:00 AM					10/02/2021 12:00 AM	7520	20 MPH	58 F	
09/30/2021 12:00 AM														
10/02/2021 12:00 AM	7520	20 MPH	58 F											

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Loudoun Street SW
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400875. The study was done in the EB 875 lane at Loudoun Street SW in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 7,520 vehicles passed through the location with a peak volume of 105 on 09/30/2021 at [07:45 AM-08:00 AM] and a minimum volume of 0 on 09/30/2021 at [12:45 AM-01:00 AM]. The AADT count for this study was 3,760.

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 20 MPH with 0.33% vehicles exceeding the posted speed of 25 MPH. 0.03% 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 26.20 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
670	517	2028	2849	1275	139	14	6	5						

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 4066 which represents 54 percent of the total classified vehicles. The number of Vans & Pickups in the study was 2852 which represents 38 percent of the total classified vehicles. The number of Busses & Trucks in the study was 508 which represents 7 percent of the total classified vehicles. The number of Tractor Trailers in the study was 67 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
4066	2045	807	347	124	47	29	38							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [07:45 AM-08:00 AM] the average headway between vehicles was 8.491 seconds. During the slowest traffic period, on 09/30/2021 at [12:45 AM-01:00 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 48.00 and 77.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876	Location: Downtown Leesburg	Raw Count: 3,602
Operator: AH	Lane: NB 876	AADT Count: 1,801
Begin: 09/30/2021 12:00 AM	Street: Harrison Street	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	1	28 MPH	61 F	---
[12:15 AM-12:30 AM]	2	23 MPH	61 F	---
[12:30 AM-12:45 AM]	0	0 MPH	61 F	---
[12:45 AM-01:00 AM]	0	0 MPH	61 F	---
[01:00 AM-01:15 AM]	0	0 MPH	61 F	---
[01:15 AM-01:30 AM]	0	0 MPH	57 F	---
[01:30 AM-01:45 AM]	1	32 MPH	57 F	---
[01:45 AM-02:00 AM]	0	0 MPH	57 F	---
[02:00 AM-02:15 AM]	0	0 MPH	57 F	---
[02:15 AM-02:30 AM]	1	4 MPH	57 F	---
[02:30 AM-02:45 AM]	0	0 MPH	57 F	---
[02:45 AM-03:00 AM]	0	0 MPH	57 F	---
[03:00 AM-03:15 AM]	0	0 MPH	57 F	---
[03:15 AM-03:30 AM]	0	0 MPH	57 F	---
[03:30 AM-03:45 AM]	0	0 MPH	57 F	---
[03:45 AM-04:00 AM]	0	0 MPH	57 F	---
[04:00 AM-04:15 AM]	0	0 MPH	57 F	---
[04:15 AM-04:30 AM]	0	0 MPH	55 F	---
[04:30 AM-04:45 AM]	0	0 MPH	55 F	---
[04:45 AM-05:00 AM]	2	33 MPH	55 F	---
[05:00 AM-05:15 AM]	0	0 MPH	55 F	---
[05:15 AM-05:30 AM]	1	28 MPH	55 F	---
[05:30 AM-05:45 AM]	5	39 MPH	55 F	---
[05:45 AM-06:00 AM]	5	28 MPH	55 F	---
[06:00 AM-06:15 AM]	7	28 MPH	55 F	---
[06:15 AM-06:30 AM]	6	26 MPH	55 F	---
[06:30 AM-06:45 AM]	8	16 MPH	55 F	---
[06:45 AM-07:00 AM]	7	27 MPH	55 F	---
[07:00 AM-07:15 AM]	8	23 MPH	55 F	---
[07:15 AM-07:30 AM]	8	22 MPH	55 F	---
[07:30 AM-07:45 AM]	10	26 MPH	55 F	---
[07:45 AM-08:00 AM]	15	24 MPH	55 F	---
[08:00 AM-08:15 AM]	12	25 MPH	57 F	---
[08:15 AM-08:30 AM]	25	26 MPH	57 F	---
[08:30 AM-08:45 AM]	21	25 MPH	57 F	---
[08:45 AM-09:00 AM]	19	19 MPH	57 F	---
[09:00 AM-09:15 AM]	21	25 MPH	57 F	---
[09:15 AM-09:30 AM]	15	18 MPH	61 F	---
[09:30 AM-09:45 AM]	16	26 MPH	66 F	---
[09:45 AM-10:00 AM]	15	23 MPH	72 F	---
[10:00 AM-10:15 AM]	26	26 MPH	75 F	---
[10:15 AM-10:30 AM]	22	23 MPH	81 F	---
[10:30 AM-10:45 AM]	15	26 MPH	82 F	---
[10:45 AM-11:00 AM]	20	22 MPH	86 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876	Location: Downtown Leesburg	Raw Count: 3,602
Operator: AH	Lane: NB 876	AADT Count: 1,801
Begin: 09/30/2021 12:00 AM	Street: Harrison Street	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[11:00 AM-11:15 AM]	14	22 MPH	90 F	---
[11:15 AM-11:30 AM]	23	19 MPH	91 F	---
[11:30 AM-11:45 AM]	28	19 MPH	95 F	---
[11:45 AM-12:00 PM]	31	17 MPH	97 F	---
[12:00 PM-12:15 PM]	42	17 MPH	100 F	---
[12:15 PM-12:30 PM]	39	17 MPH	100 F	---
[12:30 PM-12:45 PM]	43	18 MPH	100 F	---
[12:45 PM-01:00 PM]	40	20 MPH	100 F	---
[01:00 PM-01:15 PM]	41	20 MPH	100 F	---
[01:15 PM-01:30 PM]	26	20 MPH	100 F	---
[01:30 PM-01:45 PM]	40	21 MPH	102 F	---
[01:45 PM-02:00 PM]	43	18 MPH	100 F	---
[02:00 PM-02:15 PM]	39	19 MPH	102 F	---
[02:15 PM-02:30 PM]	18	21 MPH	102 F	---
[02:30 PM-02:45 PM]	20	26 MPH	102 F	---
[02:45 PM-03:00 PM]	24	23 MPH	102 F	---
[03:00 PM-03:15 PM]	25	19 MPH	102 F	---
[03:15 PM-03:30 PM]	22	22 MPH	102 F	---
[03:30 PM-03:45 PM]	23	25 MPH	102 F	---
[03:45 PM-04:00 PM]	26	21 MPH	100 F	---
[04:00 PM-04:15 PM]	28	22 MPH	100 F	---
[04:15 PM-04:30 PM]	35	21 MPH	97 F	---
[04:30 PM-04:45 PM]	27	23 MPH	97 F	---
[04:45 PM-05:00 PM]	42	19 MPH	91 F	---
[05:00 PM-05:15 PM]	46	20 MPH	90 F	---
[05:15 PM-05:30 PM]	39	21 MPH	82 F	---
[05:30 PM-05:45 PM]	32	23 MPH	82 F	---
[05:45 PM-06:00 PM]	42	17 MPH	81 F	---
[06:00 PM-06:15 PM]	33	21 MPH	81 F	---
[06:15 PM-06:30 PM]	34	19 MPH	77 F	---
[06:30 PM-06:45 PM]	24	19 MPH	77 F	---
[06:45 PM-07:00 PM]	29	16 MPH	75 F	---
[07:00 PM-07:15 PM]	23	15 MPH	75 F	---
[07:15 PM-07:30 PM]	32	15 MPH	72 F	---
[07:30 PM-07:45 PM]	22	21 MPH	72 F	---
[07:45 PM-08:00 PM]	19	18 MPH	72 F	---
[08:00 PM-08:15 PM]	18	17 MPH	68 F	---
[08:15 PM-08:30 PM]	11	18 MPH	68 F	---
[08:30 PM-08:45 PM]	9	14 MPH	68 F	---
[08:45 PM-09:00 PM]	19	17 MPH	68 F	---
[09:00 PM-09:15 PM]	13	16 MPH	68 F	---
[09:15 PM-09:30 PM]	6	20 MPH	66 F	---
[09:30 PM-09:45 PM]	21	19 MPH	66 F	---
[09:45 PM-10:00 PM]	12	16 MPH	66 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: NB 876 Street: Harrison Street City: Leesburg County: Loudoun County State: VA	Raw Count: 3,602 AADT Count: 1,801 AADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,09/30/2021				
[10:00 PM-10:15 PM]	8	16 MPH	66 F	---
[10:15 PM-10:30 PM]	5	21 MPH	66 F	---
[10:30 PM-10:45 PM]	8	18 MPH	63 F	---
[10:45 PM-11:00 PM]	3	24 MPH	63 F	---
[11:00 PM-11:15 PM]	0	0 MPH	63 F	---
[11:15 PM-11:30 PM]	1	18 MPH	63 F	---
[11:30 PM-11:45 PM]	1	22 MPH	63 F	---
[11:45 PM-12:00 AM]	1	28 MPH	61 F	---
Thu,09/30/2021	1564	20 MPH	73 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	1	28 MPH	61 F	---
[12:15 AM-12:30 AM]	2	23 MPH	61 F	---
[12:30 AM-12:45 AM]	0	0 MPH	61 F	---
[12:45 AM-01:00 AM]	1	22 MPH	61 F	---
[01:00 AM-01:15 AM]	1	28 MPH	61 F	---
[01:15 AM-01:30 AM]	1	12 MPH	61 F	---
[01:30 AM-01:45 AM]	0	0 MPH	57 F	---
[01:45 AM-02:00 AM]	0	0 MPH	57 F	---
[02:00 AM-02:15 AM]	1	22 MPH	57 F	---
[02:15 AM-02:30 AM]	0	0 MPH	57 F	---
[02:30 AM-02:45 AM]	0	0 MPH	57 F	---
[02:45 AM-03:00 AM]	0	0 MPH	57 F	---
[03:00 AM-03:15 AM]	0	0 MPH	57 F	---
[03:15 AM-03:30 AM]	0	0 MPH	57 F	---
[03:30 AM-03:45 AM]	1	18 MPH	57 F	---
[03:45 AM-04:00 AM]	0	0 MPH	55 F	---
[04:00 AM-04:15 AM]	0	0 MPH	55 F	---
[04:15 AM-04:30 AM]	0	0 MPH	55 F	---
[04:30 AM-04:45 AM]	2	28 MPH	55 F	---
[04:45 AM-05:00 AM]	1	28 MPH	55 F	---
[05:00 AM-05:15 AM]	2	28 MPH	55 F	---
[05:15 AM-05:30 AM]	1	28 MPH	55 F	---
[05:30 AM-05:45 AM]	0	0 MPH	55 F	---
[05:45 AM-06:00 AM]	5	21 MPH	55 F	---
[06:00 AM-06:15 AM]	6	29 MPH	55 F	---
[06:15 AM-06:30 AM]	2	20 MPH	55 F	---
[06:30 AM-06:45 AM]	7	24 MPH	55 F	---
[06:45 AM-07:00 AM]	3	27 MPH	55 F	---
[07:00 AM-07:15 AM]	6	25 MPH	55 F	---
[07:15 AM-07:30 AM]	7	20 MPH	55 F	---
[07:30 AM-07:45 AM]	17	21 MPH	55 F	---
[07:45 AM-08:00 AM]	28	22 MPH	55 F	---
[08:00 AM-08:15 AM]	18	26 MPH	55 F	---
[08:15 AM-08:30 AM]	25	27 MPH	55 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: NB 876 Street: Harrison Street City: Leesburg County: Loudoun County State: VA	Raw Count: 3,602 ADT Count: 1,801 ADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Fri, 10/01/2021

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
[08:30 AM-08:45 AM]	24	26 MPH	55 F	---
[08:45 AM-09:00 AM]	32	21 MPH	55 F	---
[09:00 AM-09:15 AM]	27	23 MPH	57 F	---
[09:15 AM-09:30 AM]	25	21 MPH	57 F	---
[09:30 AM-09:45 AM]	17	17 MPH	63 F	---
[09:45 AM-10:00 AM]	22	22 MPH	68 F	---
[10:00 AM-10:15 AM]	18	22 MPH	75 F	---
[10:15 AM-10:30 AM]	20	21 MPH	77 F	---
[10:30 AM-10:45 AM]	23	19 MPH	81 F	---
[10:45 AM-11:00 AM]	27	23 MPH	86 F	---
[11:00 AM-11:15 AM]	22	20 MPH	90 F	---
[11:15 AM-11:30 AM]	23	19 MPH	91 F	---
[11:30 AM-11:45 AM]	35	17 MPH	95 F	---
[11:45 AM-12:00 PM]	43	20 MPH	97 F	---
[12:00 PM-12:15 PM]	44	16 MPH	100 F	---
[12:15 PM-12:30 PM]	35	17 MPH	100 F	---
[12:30 PM-12:45 PM]	35	18 MPH	102 F	---
[12:45 PM-01:00 PM]	42	19 MPH	102 F	---
[01:00 PM-01:15 PM]	39	14 MPH	106 F	---
[01:15 PM-01:30 PM]	54	15 MPH	106 F	---
[01:30 PM-01:45 PM]	27	16 MPH	109 F	---
[01:45 PM-02:00 PM]	41	19 MPH	109 F	---
[02:00 PM-02:15 PM]	37	18 MPH	109 F	---
[02:15 PM-02:30 PM]	32	17 MPH	109 F	---
[02:30 PM-02:45 PM]	26	20 MPH	109 F	---
[02:45 PM-03:00 PM]	29	21 MPH	109 F	---
[03:00 PM-03:15 PM]	30	18 MPH	109 F	---
[03:15 PM-03:30 PM]	39	18 MPH	106 F	---
[03:30 PM-03:45 PM]	41	21 MPH	106 F	---
[03:45 PM-04:00 PM]	28	19 MPH	102 F	---
[04:00 PM-04:15 PM]	26	21 MPH	102 F	---
[04:15 PM-04:30 PM]	34	20 MPH	100 F	---
[04:30 PM-04:45 PM]	45	17 MPH	100 F	---
[04:45 PM-05:00 PM]	53	21 MPH	95 F	---
[05:00 PM-05:15 PM]	46	17 MPH	90 F	---
[05:15 PM-05:30 PM]	42	14 MPH	86 F	---
[05:30 PM-05:45 PM]	42	12 MPH	82 F	---
[05:45 PM-06:00 PM]	46	13 MPH	81 F	---
[06:00 PM-06:15 PM]	41	15 MPH	81 F	---
[06:15 PM-06:30 PM]	61	11 MPH	77 F	---
[06:30 PM-06:45 PM]	57	15 MPH	77 F	---
[06:45 PM-07:00 PM]	43	16 MPH	75 F	---
[07:00 PM-07:15 PM]	42	14 MPH	75 F	---
[07:15 PM-07:30 PM]	38	16 MPH	72 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 400876 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: NB 876 Street: Harrison Street City: Leesburg County: Loudoun County State: VA	Raw Count: 3,602 AADT Count: 1,801 AADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry										
Fri,10/01/2021														
[07:30 PM-07:45 PM]	28	14 MPH	72 F	---										
[07:45 PM-08:00 PM]	28	14 MPH	72 F	---										
[08:00 PM-08:15 PM]	26	10 MPH	68 F	---										
[08:15 PM-08:30 PM]	28	16 MPH	68 F	---										
[08:30 PM-08:45 PM]	26	15 MPH	68 F	---										
[08:45 PM-09:00 PM]	22	14 MPH	66 F	---										
[09:00 PM-09:15 PM]	18	11 MPH	66 F	---										
[09:15 PM-09:30 PM]	15	17 MPH	66 F	---										
[09:30 PM-09:45 PM]	25	15 MPH	66 F	---										
[09:45 PM-10:00 PM]	16	15 MPH	66 F	---										
[10:00 PM-10:15 PM]	20	15 MPH	63 F	---										
[10:15 PM-10:30 PM]	24	18 MPH	63 F	---										
[10:30 PM-10:45 PM]	22	16 MPH	63 F	---										
[10:45 PM-11:00 PM]	12	17 MPH	63 F	---										
[11:00 PM-11:15 PM]	16	19 MPH	63 F	---										
[11:15 PM-11:30 PM]	3	16 MPH	61 F	---										
[11:30 PM-11:45 PM]	12	17 MPH	61 F	---										
[11:45 PM-12:00 AM]	6	18 MPH	61 F	---										
Fri,10/01/2021	2038	18 MPH	73 F											
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">09/30/2021 12:00 AM</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td>10/02/2021 12:00 AM</td> <td style="text-align: center;">3602</td> <td style="text-align: center;">19 MPH</td> <td style="text-align: center;">73 F</td> <td></td> </tr> </table>					09/30/2021 12:00 AM					10/02/2021 12:00 AM	3602	19 MPH	73 F	
09/30/2021 12:00 AM														
10/02/2021 12:00 AM	3602	19 MPH	73 F											

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Harrison Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 400876. The study was done in the NB 876 lane at Harrison Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 3,602 vehicles passed through the location with a peak volume of 61 on 10/01/2021 at [06:15 PM-06:30 PM] and a minimum volume of 0 on 09/30/2021 at [11:00 PM-11:15 PM]. The AADT count for this study was 1,801.

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 19 MPH with 3.19% vehicles exceeding the posted speed of 25 MPH. 0.87% 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 26.40 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
592	449	921	930	472	91	35	20	59						

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 1997 which represents 56 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1226 which represents 34 percent of the total classified vehicles. The number of Busses & Trucks in the study was 260 which represents 7 percent of the total classified vehicles. The number of Tractor Trailers in the study was 75 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
1997	863	363	155	68	45	29	49							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [06:15 PM-06:30 PM] the average headway between vehicles was 14.516 seconds. During the slowest traffic period, on 09/30/2021 at [11:00 PM-11:15 PM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 109.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401064 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: NB 1064 Street: S. King Street City: Leesburg County: Loudoun County State: VA	Raw Count: 8,093 ADT Count: 4,047 ADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021				
[12:00 AM-12:15 AM]	2	28 MPH	63 F	---
[12:15 AM-12:30 AM]	4	23 MPH	63 F	---
[12:30 AM-12:45 AM]	1	18 MPH	63 F	---
[12:45 AM-01:00 AM]	0	0 MPH	63 F	---
[01:00 AM-01:15 AM]	1	32 MPH	63 F	---
[01:15 AM-01:30 AM]	1	28 MPH	63 F	---
[01:30 AM-01:45 AM]	2	27 MPH	61 F	---
[01:45 AM-02:00 AM]	2	28 MPH	61 F	---
[02:00 AM-02:15 AM]	1	22 MPH	61 F	---
[02:15 AM-02:30 AM]	2	25 MPH	61 F	---
[02:30 AM-02:45 AM]	0	0 MPH	61 F	---
[02:45 AM-03:00 AM]	1	28 MPH	61 F	---
[03:00 AM-03:15 AM]	1	32 MPH	61 F	---
[03:15 AM-03:30 AM]	0	0 MPH	61 F	---
[03:30 AM-03:45 AM]	1	18 MPH	61 F	---
[03:45 AM-04:00 AM]	0	0 MPH	61 F	---
[04:00 AM-04:15 AM]	2	38 MPH	61 F	---
[04:15 AM-04:30 AM]	0	0 MPH	61 F	---
[04:30 AM-04:45 AM]	0	0 MPH	61 F	---
[04:45 AM-05:00 AM]	3	29 MPH	57 F	---
[05:00 AM-05:15 AM]	6	28 MPH	57 F	---
[05:15 AM-05:30 AM]	6	33 MPH	57 F	---
[05:30 AM-05:45 AM]	7	27 MPH	57 F	---
[05:45 AM-06:00 AM]	5	30 MPH	57 F	---
[06:00 AM-06:15 AM]	11	28 MPH	57 F	---
[06:15 AM-06:30 AM]	21	26 MPH	57 F	---
[06:30 AM-06:45 AM]	17	26 MPH	57 F	---
[06:45 AM-07:00 AM]	16	27 MPH	57 F	---
[07:00 AM-07:15 AM]	30	25 MPH	57 F	---
[07:15 AM-07:30 AM]	27	25 MPH	57 F	---
[07:30 AM-07:45 AM]	47	24 MPH	57 F	---
[07:45 AM-08:00 AM]	60	23 MPH	57 F	---
[08:00 AM-08:15 AM]	67	22 MPH	61 F	---
[08:15 AM-08:30 AM]	81	21 MPH	61 F	---
[08:30 AM-08:45 AM]	61	23 MPH	61 F	---
[08:45 AM-09:00 AM]	97	19 MPH	61 F	---
[09:00 AM-09:15 AM]	74	17 MPH	63 F	---
[09:15 AM-09:30 AM]	75	21 MPH	68 F	---
[09:30 AM-09:45 AM]	64	20 MPH	72 F	---
[09:45 AM-10:00 AM]	63	22 MPH	75 F	---
[10:00 AM-10:15 AM]	51	22 MPH	77 F	---
[10:15 AM-10:30 AM]	63	22 MPH	81 F	---
[10:30 AM-10:45 AM]	60	23 MPH	82 F	---
[10:45 AM-11:00 AM]	51	22 MPH	86 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401064	Location: Downtown Leesburg	Raw Count: 8,093
Operator: AH	Lane: NB 1064	ADT Count: 4,047
Begin: 09/30/2021 12:00 AM	Street: S. King Street	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
[11:00 AM-11:15 AM]	61	21 MPH	90 F	---
[11:15 AM-11:30 AM]	71	22 MPH	90 F	---
[11:30 AM-11:45 AM]	53	18 MPH	91 F	---
[11:45 AM-12:00 PM]	88	19 MPH	90 F	---
[12:00 PM-12:15 PM]	62	23 MPH	91 F	---
[12:15 PM-12:30 PM]	62	21 MPH	95 F	---
[12:30 PM-12:45 PM]	56	22 MPH	95 F	---
[12:45 PM-01:00 PM]	67	20 MPH	95 F	---
[01:00 PM-01:15 PM]	71	21 MPH	97 F	---
[01:15 PM-01:30 PM]	51	22 MPH	97 F	---
[01:30 PM-01:45 PM]	69	20 MPH	100 F	---
[01:45 PM-02:00 PM]	71	19 MPH	100 F	---
[02:00 PM-02:15 PM]	77	20 MPH	100 F	---
[02:15 PM-02:30 PM]	65	24 MPH	100 F	---
[02:30 PM-02:45 PM]	72	23 MPH	100 F	---
[02:45 PM-03:00 PM]	83	20 MPH	100 F	---
[03:00 PM-03:15 PM]	52	21 MPH	102 F	---
[03:15 PM-03:30 PM]	93	21 MPH	100 F	---
[03:30 PM-03:45 PM]	93	19 MPH	100 F	---
[03:45 PM-04:00 PM]	84	19 MPH	100 F	---
[04:00 PM-04:15 PM]	94	21 MPH	100 F	---
[04:15 PM-04:30 PM]	85	20 MPH	97 F	---
[04:30 PM-04:45 PM]	98	17 MPH	97 F	---
[04:45 PM-05:00 PM]	101	20 MPH	95 F	---
[05:00 PM-05:15 PM]	80	18 MPH	95 F	---
[05:15 PM-05:30 PM]	74	18 MPH	91 F	---
[05:30 PM-05:45 PM]	83	20 MPH	91 F	---
[05:45 PM-06:00 PM]	103	18 MPH	90 F	---
[06:00 PM-06:15 PM]	95	18 MPH	86 F	---
[06:15 PM-06:30 PM]	86	19 MPH	82 F	---
[06:30 PM-06:45 PM]	57	23 MPH	81 F	---
[06:45 PM-07:00 PM]	83	20 MPH	81 F	---
[07:00 PM-07:15 PM]	57	22 MPH	77 F	---
[07:15 PM-07:30 PM]	51	24 MPH	77 F	---
[07:30 PM-07:45 PM]	51	23 MPH	77 F	---
[07:45 PM-08:00 PM]	35	20 MPH	75 F	---
[08:00 PM-08:15 PM]	33	23 MPH	75 F	---
[08:15 PM-08:30 PM]	32	24 MPH	75 F	---
[08:30 PM-08:45 PM]	20	25 MPH	72 F	---
[08:45 PM-09:00 PM]	24	25 MPH	72 F	---
[09:00 PM-09:15 PM]	20	24 MPH	72 F	---
[09:15 PM-09:30 PM]	19	27 MPH	72 F	---
[09:30 PM-09:45 PM]	20	24 MPH	72 F	---
[09:45 PM-10:00 PM]	7	28 MPH	68 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401064 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: NB 1064 Street: S. King Street City: Leesburg County: Loudoun County State: VA	Raw Count: 8,093 ADT Count: 4,047 ADT Factor: 1 Speed Limit: 25
---	---	--

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021				
[10:00 PM-10:15 PM]	18	24 MPH	68 F	---
[10:15 PM-10:30 PM]	4	28 MPH	68 F	---
[10:30 PM-10:45 PM]	6	26 MPH	68 F	---
[10:45 PM-11:00 PM]	14	24 MPH	66 F	---
[11:00 PM-11:15 PM]	5	26 MPH	66 F	---
[11:15 PM-11:30 PM]	4	25 MPH	66 F	---
[11:30 PM-11:45 PM]	1	22 MPH	66 F	---
[11:45 PM-12:00 AM]	3	23 MPH	66 F	---
Thu,09/30/2021	3948	21 MPH	75 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	1	28 MPH	66 F	---
[12:15 AM-12:30 AM]	3	26 MPH	63 F	---
[12:30 AM-12:45 AM]	3	29 MPH	63 F	---
[12:45 AM-01:00 AM]	2	27 MPH	63 F	---
[01:00 AM-01:15 AM]	3	27 MPH	63 F	---
[01:15 AM-01:30 AM]	0	0 MPH	63 F	---
[01:30 AM-01:45 AM]	4	25 MPH	63 F	---
[01:45 AM-02:00 AM]	1	28 MPH	63 F	---
[02:00 AM-02:15 AM]	0	0 MPH	61 F	---
[02:15 AM-02:30 AM]	1	38 MPH	61 F	---
[02:30 AM-02:45 AM]	2	30 MPH	61 F	---
[02:45 AM-03:00 AM]	1	32 MPH	61 F	---
[03:00 AM-03:15 AM]	1	28 MPH	61 F	---
[03:15 AM-03:30 AM]	1	28 MPH	61 F	---
[03:30 AM-03:45 AM]	1	18 MPH	61 F	---
[03:45 AM-04:00 AM]	0	0 MPH	61 F	---
[04:00 AM-04:15 AM]	0	0 MPH	61 F	---
[04:15 AM-04:30 AM]	1	28 MPH	57 F	---
[04:30 AM-04:45 AM]	1	22 MPH	57 F	---
[04:45 AM-05:00 AM]	1	22 MPH	57 F	---
[05:00 AM-05:15 AM]	3	26 MPH	57 F	---
[05:15 AM-05:30 AM]	7	23 MPH	57 F	---
[05:30 AM-05:45 AM]	10	22 MPH	57 F	---
[05:45 AM-06:00 AM]	6	28 MPH	57 F	---
[06:00 AM-06:15 AM]	13	24 MPH	57 F	---
[06:15 AM-06:30 AM]	17	22 MPH	57 F	---
[06:30 AM-06:45 AM]	15	29 MPH	57 F	---
[06:45 AM-07:00 AM]	24	26 MPH	57 F	---
[07:00 AM-07:15 AM]	21	24 MPH	57 F	---
[07:15 AM-07:30 AM]	47	23 MPH	57 F	---
[07:30 AM-07:45 AM]	54	24 MPH	57 F	---
[07:45 AM-08:00 AM]	56	22 MPH	57 F	---
[08:00 AM-08:15 AM]	73	19 MPH	57 F	---
[08:15 AM-08:30 AM]	83	20 MPH	57 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401064	Location: Downtown Leesburg	Raw Count: 8,093
Operator: AH	Lane: NB 1064	ADT Count: 4,047
Begin: 09/30/2021 12:00 AM	Street: S. King Street	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,10/01/2021				
[08:30 AM-08:45 AM]	73	23 MPH	57 F	---
[08:45 AM-09:00 AM]	94	20 MPH	61 F	---
[09:00 AM-09:15 AM]	98	17 MPH	63 F	---
[09:15 AM-09:30 AM]	45	24 MPH	68 F	---
[09:30 AM-09:45 AM]	43	20 MPH	72 F	---
[09:45 AM-10:00 AM]	77	19 MPH	75 F	---
[10:00 AM-10:15 AM]	64	21 MPH	77 F	---
[10:15 AM-10:30 AM]	60	23 MPH	81 F	---
[10:30 AM-10:45 AM]	78	21 MPH	82 F	---
[10:45 AM-11:00 AM]	66	20 MPH	86 F	---
[11:00 AM-11:15 AM]	70	20 MPH	86 F	---
[11:15 AM-11:30 AM]	58	21 MPH	90 F	---
[11:30 AM-11:45 AM]	73	19 MPH	91 F	---
[11:45 AM-12:00 PM]	79	19 MPH	90 F	---
[12:00 PM-12:15 PM]	96	18 MPH	91 F	---
[12:15 PM-12:30 PM]	79	21 MPH	95 F	---
[12:30 PM-12:45 PM]	70	19 MPH	97 F	---
[12:45 PM-01:00 PM]	68	20 MPH	97 F	---
[01:00 PM-01:15 PM]	88	18 MPH	100 F	---
[01:15 PM-01:30 PM]	72	19 MPH	100 F	---
[01:30 PM-01:45 PM]	80	23 MPH	102 F	---
[01:45 PM-02:00 PM]	68	22 MPH	102 F	---
[02:00 PM-02:15 PM]	73	19 MPH	102 F	---
[02:15 PM-02:30 PM]	78	21 MPH	102 F	---
[02:30 PM-02:45 PM]	87	21 MPH	102 F	---
[02:45 PM-03:00 PM]	81	20 MPH	102 F	---
[03:00 PM-03:15 PM]	93	20 MPH	102 F	---
[03:15 PM-03:30 PM]	108	16 MPH	102 F	---
[03:30 PM-03:45 PM]	75	21 MPH	102 F	---
[03:45 PM-04:00 PM]	79	21 MPH	100 F	---
[04:00 PM-04:15 PM]	70	21 MPH	100 F	---
[04:15 PM-04:30 PM]	58	22 MPH	100 F	---
[04:30 PM-04:45 PM]	77	20 MPH	97 F	---
[04:45 PM-05:00 PM]	78	20 MPH	97 F	---
[05:00 PM-05:15 PM]	86	17 MPH	95 F	---
[05:15 PM-05:30 PM]	87	16 MPH	95 F	---
[05:30 PM-05:45 PM]	60	20 MPH	91 F	---
[05:45 PM-06:00 PM]	94	13 MPH	90 F	---
[06:00 PM-06:15 PM]	84	19 MPH	86 F	---
[06:15 PM-06:30 PM]	67	18 MPH	82 F	---
[06:30 PM-06:45 PM]	82	15 MPH	82 F	---
[06:45 PM-07:00 PM]	79	19 MPH	81 F	---
[07:00 PM-07:15 PM]	59	17 MPH	77 F	---
[07:15 PM-07:30 PM]	60	18 MPH	77 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401064	Location: Downtown Leesburg	Raw Count: 8,093
Operator: AH	Lane: NB 1064	AADT Count: 4,047
Begin: 09/30/2021 12:00 AM	Street: S. King Street	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,10/01/2021				
[07:30 PM-07:45 PM]	35	20 MPH	75 F	---
[07:45 PM-08:00 PM]	36	24 MPH	75 F	---
[08:00 PM-08:15 PM]	26	22 MPH	75 F	---
[08:15 PM-08:30 PM]	22	23 MPH	72 F	---
[08:30 PM-08:45 PM]	18	23 MPH	72 F	---
[08:45 PM-09:00 PM]	19	21 MPH	72 F	---
[09:00 PM-09:15 PM]	21	25 MPH	68 F	---
[09:15 PM-09:30 PM]	28	24 MPH	68 F	---
[09:30 PM-09:45 PM]	41	24 MPH	68 F	---
[09:45 PM-10:00 PM]	27	23 MPH	68 F	---
[10:00 PM-10:15 PM]	18	25 MPH	66 F	---
[10:15 PM-10:30 PM]	21	24 MPH	66 F	---
[10:30 PM-10:45 PM]	16	23 MPH	66 F	---
[10:45 PM-11:00 PM]	13	24 MPH	66 F	---
[11:00 PM-11:15 PM]	7	27 MPH	66 F	---
[11:15 PM-11:30 PM]	8	25 MPH	66 F	---
[11:30 PM-11:45 PM]	13	24 MPH	63 F	---
[11:45 PM-12:00 AM]	6	24 MPH	63 F	---
Fri,10/01/2021	4145	20 MPH	75 F	
09/30/2021 12:00 AM				
10/02/2021 12:00 AM	8093	21 MPH	75 F	

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: S. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401064. The study was done in the NB 1064 lane at S. King Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 8,093 vehicles passed through the location with a peak volume of 108 on 10/01/2021 at [03:15 PM-03:30 PM] and a minimum volume of 0 on 09/30/2021 at [12:45 AM-01:00 AM]. The AADT count for this study was 4,047.

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 21 MPH with 0.98% vehicles exceeding the posted speed of 25 MPH. 0.24% 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 26.80 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
483	819	2031	3039	1349	278	45	4	30						

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 3948 which represents 49 percent of the total classified vehicles. The number of Vans & Pickups in the study was 3551 which represents 44 percent of the total classified vehicles. The number of Busses & Trucks in the study was 426 which represents 5 percent of the total classified vehicles. The number of Tractor Trailers in the study was 144 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
3948	2642	909	292	88	62	43	94							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [03:15 PM-03:30 PM] the average headway between vehicles was 8.257 seconds. During the slowest traffic period, on 09/30/2021 at [12:45 AM-01:00 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 102.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401134	Location: Downtown Leesburg	Raw Count: 4,103
Operator: AH	Lane: SB 1134	AADT Count: 2,052
Begin: 09/30/2021 12:00 AM	Street: Harrison Street	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	0	0 MPH	63 F	---
[12:15 AM-12:30 AM]	1	28 MPH	63 F	---
[12:30 AM-12:45 AM]	0	0 MPH	63 F	---
[12:45 AM-01:00 AM]	0	0 MPH	61 F	---
[01:00 AM-01:15 AM]	0	0 MPH	61 F	---
[01:15 AM-01:30 AM]	0	0 MPH	61 F	---
[01:30 AM-01:45 AM]	1	28 MPH	61 F	---
[01:45 AM-02:00 AM]	0	0 MPH	61 F	---
[02:00 AM-02:15 AM]	0	0 MPH	61 F	---
[02:15 AM-02:30 AM]	0	0 MPH	61 F	---
[02:30 AM-02:45 AM]	0	0 MPH	61 F	---
[02:45 AM-03:00 AM]	1	22 MPH	61 F	---
[03:00 AM-03:15 AM]	0	0 MPH	61 F	---
[03:15 AM-03:30 AM]	0	0 MPH	61 F	---
[03:30 AM-03:45 AM]	0	0 MPH	61 F	---
[03:45 AM-04:00 AM]	0	0 MPH	57 F	---
[04:00 AM-04:15 AM]	0	0 MPH	57 F	---
[04:15 AM-04:30 AM]	0	0 MPH	57 F	---
[04:30 AM-04:45 AM]	1	22 MPH	57 F	---
[04:45 AM-05:00 AM]	1	18 MPH	57 F	---
[05:00 AM-05:15 AM]	1	28 MPH	57 F	---
[05:15 AM-05:30 AM]	4	29 MPH	57 F	---
[05:30 AM-05:45 AM]	3	29 MPH	57 F	---
[05:45 AM-06:00 AM]	1	28 MPH	57 F	---
[06:00 AM-06:15 AM]	7	27 MPH	57 F	---
[06:15 AM-06:30 AM]	8	26 MPH	57 F	---
[06:30 AM-06:45 AM]	9	26 MPH	57 F	---
[06:45 AM-07:00 AM]	4	23 MPH	57 F	---
[07:00 AM-07:15 AM]	9	27 MPH	57 F	---
[07:15 AM-07:30 AM]	5	22 MPH	57 F	---
[07:30 AM-07:45 AM]	8	31 MPH	57 F	---
[07:45 AM-08:00 AM]	15	24 MPH	57 F	---
[08:00 AM-08:15 AM]	18	25 MPH	57 F	---
[08:15 AM-08:30 AM]	24	21 MPH	57 F	---
[08:30 AM-08:45 AM]	23	24 MPH	61 F	---
[08:45 AM-09:00 AM]	27	25 MPH	61 F	---
[09:00 AM-09:15 AM]	18	26 MPH	61 F	---
[09:15 AM-09:30 AM]	22	30 MPH	63 F	---
[09:30 AM-09:45 AM]	21	24 MPH	68 F	---
[09:45 AM-10:00 AM]	42	23 MPH	72 F	---
[10:00 AM-10:15 AM]	22	24 MPH	77 F	---
[10:15 AM-10:30 AM]	16	25 MPH	81 F	---
[10:30 AM-10:45 AM]	21	25 MPH	82 F	---
[10:45 AM-11:00 AM]	26	24 MPH	86 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401134 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: SB 1134 Street: Harrison Street City: Leesburg County: Loudoun County State: VA	Raw Count: 4,103 ADT Count: 2,052 ADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021				
[11:00 AM-11:15 AM]	21	23 MPH	90 F	---
[11:15 AM-11:30 AM]	26	22 MPH	90 F	---
[11:30 AM-11:45 AM]	30	18 MPH	91 F	---
[11:45 AM-12:00 PM]	30	16 MPH	95 F	---
[12:00 PM-12:15 PM]	53	17 MPH	97 F	---
[12:15 PM-12:30 PM]	52	18 MPH	100 F	---
[12:30 PM-12:45 PM]	40	20 MPH	97 F	---
[12:45 PM-01:00 PM]	33	18 MPH	100 F	---
[01:00 PM-01:15 PM]	48	17 MPH	100 F	---
[01:15 PM-01:30 PM]	32	21 MPH	100 F	---
[01:30 PM-01:45 PM]	27	16 MPH	102 F	---
[01:45 PM-02:00 PM]	33	18 MPH	100 F	---
[02:00 PM-02:15 PM]	37	19 MPH	102 F	---
[02:15 PM-02:30 PM]	30	21 MPH	102 F	---
[02:30 PM-02:45 PM]	22	22 MPH	102 F	---
[02:45 PM-03:00 PM]	30	24 MPH	102 F	---
[03:00 PM-03:15 PM]	25	24 MPH	102 F	---
[03:15 PM-03:30 PM]	38	19 MPH	102 F	---
[03:30 PM-03:45 PM]	22	23 MPH	102 F	---
[03:45 PM-04:00 PM]	30	19 MPH	102 F	---
[04:00 PM-04:15 PM]	23	25 MPH	100 F	---
[04:15 PM-04:30 PM]	45	22 MPH	97 F	---
[04:30 PM-04:45 PM]	46	18 MPH	91 F	---
[04:45 PM-05:00 PM]	41	24 MPH	90 F	---
[05:00 PM-05:15 PM]	40	19 MPH	86 F	---
[05:15 PM-05:30 PM]	38	22 MPH	82 F	---
[05:30 PM-05:45 PM]	35	19 MPH	82 F	---
[05:45 PM-06:00 PM]	46	20 MPH	81 F	---
[06:00 PM-06:15 PM]	49	17 MPH	81 F	---
[06:15 PM-06:30 PM]	35	19 MPH	81 F	---
[06:30 PM-06:45 PM]	30	22 MPH	77 F	---
[06:45 PM-07:00 PM]	40	15 MPH	77 F	---
[07:00 PM-07:15 PM]	20	18 MPH	75 F	---
[07:15 PM-07:30 PM]	25	20 MPH	75 F	---
[07:30 PM-07:45 PM]	20	16 MPH	75 F	---
[07:45 PM-08:00 PM]	13	20 MPH	72 F	---
[08:00 PM-08:15 PM]	17	16 MPH	72 F	---
[08:15 PM-08:30 PM]	16	18 MPH	72 F	---
[08:30 PM-08:45 PM]	14	15 MPH	72 F	---
[08:45 PM-09:00 PM]	13	17 MPH	68 F	---
[09:00 PM-09:15 PM]	14	20 MPH	68 F	---
[09:15 PM-09:30 PM]	6	19 MPH	68 F	---
[09:30 PM-09:45 PM]	14	22 MPH	68 F	---
[09:45 PM-10:00 PM]	10	22 MPH	68 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401134 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: SB 1134 Street: Harrison Street City: Leesburg County: Loudoun County State: VA	Raw Count: 4,103 AADT Count: 2,052 AADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021				
[10:00 PM-10:15 PM]	2	20 MPH	68 F	---
[10:15 PM-10:30 PM]	4	25 MPH	66 F	---
[10:30 PM-10:45 PM]	6	21 MPH	66 F	---
[10:45 PM-11:00 PM]	4	19 MPH	66 F	---
[11:00 PM-11:15 PM]	2	27 MPH	66 F	---
[11:15 PM-11:30 PM]	2	23 MPH	66 F	---
[11:30 PM-11:45 PM]	6	23 MPH	63 F	---
[11:45 PM-12:00 AM]	0	0 MPH	63 F	---
Thu,09/30/2021	1694	21 MPH	74 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	0	0 MPH	63 F	---
[12:15 AM-12:30 AM]	1	22 MPH	63 F	---
[12:30 AM-12:45 AM]	3	26 MPH	63 F	---
[12:45 AM-01:00 AM]	0	0 MPH	63 F	---
[01:00 AM-01:15 AM]	0	0 MPH	61 F	---
[01:15 AM-01:30 AM]	1	22 MPH	61 F	---
[01:30 AM-01:45 AM]	1	18 MPH	61 F	---
[01:45 AM-02:00 AM]	0	0 MPH	61 F	---
[02:00 AM-02:15 AM]	0	0 MPH	61 F	---
[02:15 AM-02:30 AM]	0	0 MPH	61 F	---
[02:30 AM-02:45 AM]	0	0 MPH	61 F	---
[02:45 AM-03:00 AM]	1	32 MPH	61 F	---
[03:00 AM-03:15 AM]	0	0 MPH	61 F	---
[03:15 AM-03:30 AM]	0	0 MPH	57 F	---
[03:30 AM-03:45 AM]	2	20 MPH	57 F	---
[03:45 AM-04:00 AM]	0	0 MPH	57 F	---
[04:00 AM-04:15 AM]	2	27 MPH	57 F	---
[04:15 AM-04:30 AM]	0	0 MPH	57 F	---
[04:30 AM-04:45 AM]	1	28 MPH	57 F	---
[04:45 AM-05:00 AM]	1	28 MPH	57 F	---
[05:00 AM-05:15 AM]	2	25 MPH	57 F	---
[05:15 AM-05:30 AM]	2	25 MPH	57 F	---
[05:30 AM-05:45 AM]	2	28 MPH	57 F	---
[05:45 AM-06:00 AM]	4	21 MPH	57 F	---
[06:00 AM-06:15 AM]	9	25 MPH	57 F	---
[06:15 AM-06:30 AM]	9	27 MPH	55 F	---
[06:30 AM-06:45 AM]	2	30 MPH	55 F	---
[06:45 AM-07:00 AM]	9	23 MPH	55 F	---
[07:00 AM-07:15 AM]	10	28 MPH	55 F	---
[07:15 AM-07:30 AM]	18	25 MPH	55 F	---
[07:30 AM-07:45 AM]	21	29 MPH	55 F	---
[07:45 AM-08:00 AM]	21	26 MPH	55 F	---
[08:00 AM-08:15 AM]	17	22 MPH	57 F	---
[08:15 AM-08:30 AM]	10	26 MPH	57 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401134	Location: Downtown Leesburg	Raw Count: 4,103
Operator: AH	Lane: SB 1134	AADT Count: 2,052
Begin: 09/30/2021 12:00 AM	Street: Harrison Street	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,10/01/2021				
[08:30 AM-08:45 AM]	25	24 MPH	57 F	---
[08:45 AM-09:00 AM]	32	22 MPH	57 F	---
[09:00 AM-09:15 AM]	28	23 MPH	57 F	---
[09:15 AM-09:30 AM]	29	21 MPH	61 F	---
[09:30 AM-09:45 AM]	22	24 MPH	66 F	---
[09:45 AM-10:00 AM]	35	24 MPH	72 F	---
[10:00 AM-10:15 AM]	27	22 MPH	75 F	---
[10:15 AM-10:30 AM]	31	23 MPH	77 F	---
[10:30 AM-10:45 AM]	33	20 MPH	82 F	---
[10:45 AM-11:00 AM]	19	19 MPH	86 F	---
[11:00 AM-11:15 AM]	20	27 MPH	90 F	---
[11:15 AM-11:30 AM]	31	20 MPH	91 F	---
[11:30 AM-11:45 AM]	25	17 MPH	95 F	---
[11:45 AM-12:00 PM]	39	21 MPH	97 F	---
[12:00 PM-12:15 PM]	64	19 MPH	97 F	---
[12:15 PM-12:30 PM]	51	16 MPH	100 F	---
[12:30 PM-12:45 PM]	61	16 MPH	100 F	---
[12:45 PM-01:00 PM]	43	18 MPH	102 F	---
[01:00 PM-01:15 PM]	73	16 MPH	102 F	---
[01:15 PM-01:30 PM]	39	17 MPH	106 F	---
[01:30 PM-01:45 PM]	37	21 MPH	106 F	---
[01:45 PM-02:00 PM]	34	17 MPH	106 F	---
[02:00 PM-02:15 PM]	61	19 MPH	106 F	---
[02:15 PM-02:30 PM]	33	19 MPH	106 F	---
[02:30 PM-02:45 PM]	39	21 MPH	106 F	---
[02:45 PM-03:00 PM]	36	19 MPH	106 F	---
[03:00 PM-03:15 PM]	35	20 MPH	106 F	---
[03:15 PM-03:30 PM]	32	20 MPH	106 F	---
[03:30 PM-03:45 PM]	42	20 MPH	106 F	---
[03:45 PM-04:00 PM]	33	21 MPH	102 F	---
[04:00 PM-04:15 PM]	33	23 MPH	102 F	---
[04:15 PM-04:30 PM]	36	20 MPH	100 F	---
[04:30 PM-04:45 PM]	46	18 MPH	91 F	---
[04:45 PM-05:00 PM]	57	18 MPH	90 F	---
[05:00 PM-05:15 PM]	75	16 MPH	86 F	---
[05:15 PM-05:30 PM]	80	13 MPH	82 F	---
[05:30 PM-05:45 PM]	50	18 MPH	82 F	---
[05:45 PM-06:00 PM]	58	13 MPH	81 F	---
[06:00 PM-06:15 PM]	67	17 MPH	81 F	---
[06:15 PM-06:30 PM]	78	12 MPH	81 F	---
[06:30 PM-06:45 PM]	67	14 MPH	77 F	---
[06:45 PM-07:00 PM]	54	13 MPH	77 F	---
[07:00 PM-07:15 PM]	46	13 MPH	75 F	---
[07:15 PM-07:30 PM]	45	15 MPH	75 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401134 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: SB 1134 Street: Harrison Street City: Leesburg County: Loudoun County State: VA	Raw Count: 4,103 AADT Count: 2,052 AADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry										
Fri,10/01/2021														
[07:30 PM-07:45 PM]	32	13 MPH	75 F	---										
[07:45 PM-08:00 PM]	40	14 MPH	72 F	---										
[08:00 PM-08:15 PM]	35	16 MPH	72 F	---										
[08:15 PM-08:30 PM]	24	17 MPH	72 F	---										
[08:30 PM-08:45 PM]	22	17 MPH	68 F	---										
[08:45 PM-09:00 PM]	22	14 MPH	68 F	---										
[09:00 PM-09:15 PM]	25	16 MPH	68 F	---										
[09:15 PM-09:30 PM]	20	15 MPH	68 F	---										
[09:30 PM-09:45 PM]	33	16 MPH	66 F	---										
[09:45 PM-10:00 PM]	21	19 MPH	66 F	---										
[10:00 PM-10:15 PM]	19	16 MPH	66 F	---										
[10:15 PM-10:30 PM]	24	17 MPH	66 F	---										
[10:30 PM-10:45 PM]	12	19 MPH	66 F	---										
[10:45 PM-11:00 PM]	8	15 MPH	63 F	---										
[11:00 PM-11:15 PM]	7	15 MPH	63 F	---										
[11:15 PM-11:30 PM]	5	13 MPH	63 F	---										
[11:30 PM-11:45 PM]	9	20 MPH	63 F	---										
[11:45 PM-12:00 AM]	1	28 MPH	63 F	---										
Fri,10/01/2021	2409	18 MPH	74 F											
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">09/30/2021 12:00 AM</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td>10/02/2021 12:00 AM</td> <td style="text-align: center;">4103</td> <td style="text-align: center;">19 MPH</td> <td style="text-align: center;">74 F</td> <td></td> </tr> </table>					09/30/2021 12:00 AM					10/02/2021 12:00 AM	4103	19 MPH	74 F	
09/30/2021 12:00 AM														
10/02/2021 12:00 AM	4103	19 MPH	74 F											

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Harrison Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401134. The study was done in the SB 1134 lane at Harrison Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 4,103 vehicles passed through the location with a peak volume of 80 on 10/01/2021 at [05:15 PM-05:30 PM] and a minimum volume of 0 on 09/30/2021 at [11:45 PM-12:00 AM]. The AADT count for this study was 2,052.

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 19 MPH with 5.51% vehicles exceeding the posted speed of 25 MPH. 1.79% 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 27.27 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
618	776	1000	824	473	152	69	45	110						

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 2124 which represents 53 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1262 which represents 31 percent of the total classified vehicles. The number of Busses & Trucks in the study was 483 which represents 12 percent of the total classified vehicles. The number of Tractor Trailers in the study was 170 which represents 4 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
2124	876	386	257	141	105	45	133							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [05:15 PM-05:30 PM] the average headway between vehicles was 11.111 seconds. During the slowest traffic period, on 09/30/2021 at [11:45 PM-12:00 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 106.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202	Location: Downtown Leesburg	Raw Count: 10,250
Operator: AH	Lane: EB 1202	AADT Count: 5,125
Begin: 09/30/2021 12:00 AM	Street: West Market Street	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	10	20 MPH	61 F	---
[12:15 AM-12:30 AM]	8	28 MPH	61 F	---
[12:30 AM-12:45 AM]	2	28 MPH	61 F	---
[12:45 AM-01:00 AM]	1	18 MPH	61 F	---
[01:00 AM-01:15 AM]	0	0 MPH	61 F	---
[01:15 AM-01:30 AM]	2	17 MPH	61 F	---
[01:30 AM-01:45 AM]	0	0 MPH	61 F	---
[01:45 AM-02:00 AM]	2	25 MPH	57 F	---
[02:00 AM-02:15 AM]	1	22 MPH	57 F	---
[02:15 AM-02:30 AM]	0	0 MPH	57 F	---
[02:30 AM-02:45 AM]	2	27 MPH	57 F	---
[02:45 AM-03:00 AM]	4	29 MPH	57 F	---
[03:00 AM-03:15 AM]	1	32 MPH	57 F	---
[03:15 AM-03:30 AM]	0	0 MPH	57 F	---
[03:30 AM-03:45 AM]	2	20 MPH	57 F	---
[03:45 AM-04:00 AM]	1	28 MPH	57 F	---
[04:00 AM-04:15 AM]	4	29 MPH	57 F	---
[04:15 AM-04:30 AM]	2	28 MPH	57 F	---
[04:30 AM-04:45 AM]	8	23 MPH	57 F	---
[04:45 AM-05:00 AM]	6	26 MPH	57 F	---
[05:00 AM-05:15 AM]	10	25 MPH	57 F	---
[05:15 AM-05:30 AM]	11	23 MPH	57 F	---
[05:30 AM-05:45 AM]	21	27 MPH	57 F	---
[05:45 AM-06:00 AM]	28	25 MPH	57 F	---
[06:00 AM-06:15 AM]	23	23 MPH	57 F	---
[06:15 AM-06:30 AM]	33	25 MPH	57 F	---
[06:30 AM-06:45 AM]	34	24 MPH	57 F	---
[06:45 AM-07:00 AM]	41	26 MPH	57 F	---
[07:00 AM-07:15 AM]	51	25 MPH	57 F	---
[07:15 AM-07:30 AM]	54	24 MPH	57 F	---
[07:30 AM-07:45 AM]	60	24 MPH	57 F	---
[07:45 AM-08:00 AM]	85	22 MPH	57 F	---
[08:00 AM-08:15 AM]	53	20 MPH	57 F	---
[08:15 AM-08:30 AM]	83	19 MPH	57 F	---
[08:30 AM-08:45 AM]	90	19 MPH	61 F	---
[08:45 AM-09:00 AM]	87	19 MPH	63 F	---
[09:00 AM-09:15 AM]	88	20 MPH	66 F	---
[09:15 AM-09:30 AM]	73	21 MPH	68 F	---
[09:30 AM-09:45 AM]	73	19 MPH	72 F	---
[09:45 AM-10:00 AM]	84	19 MPH	75 F	---
[10:00 AM-10:15 AM]	74	20 MPH	77 F	---
[10:15 AM-10:30 AM]	88	20 MPH	81 F	---
[10:30 AM-10:45 AM]	84	19 MPH	82 F	---
[10:45 AM-11:00 AM]	91	18 MPH	86 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202	Location: Downtown Leesburg	Raw Count: 10,250
Operator: AH	Lane: EB 1202	ADT Count: 5,125
Begin: 09/30/2021 12:00 AM	Street: West Market Street	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[11:00 AM-11:15 AM]	82	20 MPH	86 F	---
[11:15 AM-11:30 AM]	88	21 MPH	90 F	---
[11:30 AM-11:45 AM]	106	19 MPH	91 F	---
[11:45 AM-12:00 PM]	103	14 MPH	91 F	---
[12:00 PM-12:15 PM]	113	12 MPH	95 F	---
[12:15 PM-12:30 PM]	94	17 MPH	97 F	---
[12:30 PM-12:45 PM]	88	16 MPH	97 F	---
[12:45 PM-01:00 PM]	79	18 MPH	97 F	---
[01:00 PM-01:15 PM]	67	18 MPH	100 F	---
[01:15 PM-01:30 PM]	80	16 MPH	100 F	---
[01:30 PM-01:45 PM]	88	18 MPH	100 F	---
[01:45 PM-02:00 PM]	76	19 MPH	91 F	---
[02:00 PM-02:15 PM]	92	15 MPH	90 F	---
[02:15 PM-02:30 PM]	83	18 MPH	86 F	---
[02:30 PM-02:45 PM]	99	18 MPH	82 F	---
[02:45 PM-03:00 PM]	89	18 MPH	81 F	---
[03:00 PM-03:15 PM]	98	19 MPH	81 F	---
[03:15 PM-03:30 PM]	91	17 MPH	81 F	---
[03:30 PM-03:45 PM]	73	19 MPH	81 F	---
[03:45 PM-04:00 PM]	79	17 MPH	77 F	---
[04:00 PM-04:15 PM]	81	19 MPH	77 F	---
[04:15 PM-04:30 PM]	84	22 MPH	77 F	---
[04:30 PM-04:45 PM]	106	21 MPH	77 F	---
[04:45 PM-05:00 PM]	80	21 MPH	77 F	---
[05:00 PM-05:15 PM]	81	21 MPH	75 F	---
[05:15 PM-05:30 PM]	87	20 MPH	75 F	---
[05:30 PM-05:45 PM]	85	20 MPH	75 F	---
[05:45 PM-06:00 PM]	81	20 MPH	75 F	---
[06:00 PM-06:15 PM]	85	21 MPH	75 F	---
[06:15 PM-06:30 PM]	68	21 MPH	72 F	---
[06:30 PM-06:45 PM]	47	22 MPH	72 F	---
[06:45 PM-07:00 PM]	68	20 MPH	72 F	---
[07:00 PM-07:15 PM]	68	20 MPH	72 F	---
[07:15 PM-07:30 PM]	66	21 MPH	68 F	---
[07:30 PM-07:45 PM]	42	23 MPH	68 F	---
[07:45 PM-08:00 PM]	42	24 MPH	68 F	---
[08:00 PM-08:15 PM]	49	20 MPH	68 F	---
[08:15 PM-08:30 PM]	38	19 MPH	66 F	---
[08:30 PM-08:45 PM]	44	19 MPH	66 F	---
[08:45 PM-09:00 PM]	26	20 MPH	66 F	---
[09:00 PM-09:15 PM]	43	22 MPH	66 F	---
[09:15 PM-09:30 PM]	25	24 MPH	66 F	---
[09:30 PM-09:45 PM]	26	24 MPH	66 F	---
[09:45 PM-10:00 PM]	15	25 MPH	66 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: EB 1202 Street: West Market Street City: Leesburg County: Loudoun County State: VA	Raw Count: 10,250 AADT Count: 5,125 AADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021				
[10:00 PM-10:15 PM]	16	24 MPH	66 F	---
[10:15 PM-10:30 PM]	18	26 MPH	63 F	---
[10:30 PM-10:45 PM]	10	24 MPH	63 F	---
[10:45 PM-11:00 PM]	7	26 MPH	63 F	---
[11:00 PM-11:15 PM]	8	20 MPH	63 F	---
[11:15 PM-11:30 PM]	8	22 MPH	63 F	---
[11:30 PM-11:45 PM]	5	25 MPH	63 F	---
[11:45 PM-12:00 AM]	5	21 MPH	61 F	---
Thu,09/30/2021	4757	20 MPH	70 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	5	21 MPH	61 F	---
[12:15 AM-12:30 AM]	6	23 MPH	61 F	---
[12:30 AM-12:45 AM]	4	21 MPH	61 F	---
[12:45 AM-01:00 AM]	3	24 MPH	61 F	---
[01:00 AM-01:15 AM]	4	22 MPH	61 F	---
[01:15 AM-01:30 AM]	3	26 MPH	61 F	---
[01:30 AM-01:45 AM]	2	23 MPH	61 F	---
[01:45 AM-02:00 AM]	3	28 MPH	61 F	---
[02:00 AM-02:15 AM]	1	22 MPH	57 F	---
[02:15 AM-02:30 AM]	0	0 MPH	57 F	---
[02:30 AM-02:45 AM]	2	20 MPH	57 F	---
[02:45 AM-03:00 AM]	2	25 MPH	57 F	---
[03:00 AM-03:15 AM]	0	0 MPH	57 F	---
[03:15 AM-03:30 AM]	1	22 MPH	57 F	---
[03:30 AM-03:45 AM]	2	40 MPH	57 F	---
[03:45 AM-04:00 AM]	3	29 MPH	57 F	---
[04:00 AM-04:15 AM]	4	28 MPH	57 F	---
[04:15 AM-04:30 AM]	2	25 MPH	57 F	---
[04:30 AM-04:45 AM]	2	25 MPH	57 F	---
[04:45 AM-05:00 AM]	9	24 MPH	55 F	---
[05:00 AM-05:15 AM]	5	26 MPH	55 F	---
[05:15 AM-05:30 AM]	16	26 MPH	55 F	---
[05:30 AM-05:45 AM]	26	25 MPH	55 F	---
[05:45 AM-06:00 AM]	18	25 MPH	55 F	---
[06:00 AM-06:15 AM]	23	27 MPH	55 F	---
[06:15 AM-06:30 AM]	26	24 MPH	55 F	---
[06:30 AM-06:45 AM]	35	26 MPH	55 F	---
[06:45 AM-07:00 AM]	37	26 MPH	55 F	---
[07:00 AM-07:15 AM]	45	25 MPH	55 F	---
[07:15 AM-07:30 AM]	71	25 MPH	55 F	---
[07:30 AM-07:45 AM]	55	26 MPH	55 F	---
[07:45 AM-08:00 AM]	67	22 MPH	55 F	---
[08:00 AM-08:15 AM]	61	19 MPH	57 F	---
[08:15 AM-08:30 AM]	86	17 MPH	57 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202	Location: Downtown Leesburg	Raw Count: 10,250
Operator: AH	Lane: EB 1202	AADT Count: 5,125
Begin: 09/30/2021 12:00 AM	Street: West Market Street	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Fri,10/01/2021

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
[08:30 AM-08:45 AM]	75	20 MPH	57 F	---
[08:45 AM-09:00 AM]	83	18 MPH	61 F	---
[09:00 AM-09:15 AM]	81	21 MPH	63 F	---
[09:15 AM-09:30 AM]	73	19 MPH	66 F	---
[09:30 AM-09:45 AM]	76	18 MPH	68 F	---
[09:45 AM-10:00 AM]	95	16 MPH	72 F	---
[10:00 AM-10:15 AM]	70	18 MPH	75 F	---
[10:15 AM-10:30 AM]	88	21 MPH	77 F	---
[10:30 AM-10:45 AM]	76	20 MPH	81 F	---
[10:45 AM-11:00 AM]	86	22 MPH	82 F	---
[11:00 AM-11:15 AM]	88	17 MPH	86 F	---
[11:15 AM-11:30 AM]	75	18 MPH	90 F	---
[11:30 AM-11:45 AM]	78	19 MPH	91 F	---
[11:45 AM-12:00 PM]	114	16 MPH	91 F	---
[12:00 PM-12:15 PM]	106	17 MPH	95 F	---
[12:15 PM-12:30 PM]	92	17 MPH	97 F	---
[12:30 PM-12:45 PM]	97	19 MPH	97 F	---
[12:45 PM-01:00 PM]	72	17 MPH	100 F	---
[01:00 PM-01:15 PM]	90	19 MPH	102 F	---
[01:15 PM-01:30 PM]	76	18 MPH	102 F	---
[01:30 PM-01:45 PM]	98	19 MPH	100 F	---
[01:45 PM-02:00 PM]	93	20 MPH	90 F	---
[02:00 PM-02:15 PM]	80	21 MPH	82 F	---
[02:15 PM-02:30 PM]	85	21 MPH	82 F	---
[02:30 PM-02:45 PM]	91	18 MPH	81 F	---
[02:45 PM-03:00 PM]	84	17 MPH	81 F	---
[03:00 PM-03:15 PM]	81	19 MPH	77 F	---
[03:15 PM-03:30 PM]	110	18 MPH	77 F	---
[03:30 PM-03:45 PM]	116	17 MPH	77 F	---
[03:45 PM-04:00 PM]	95	22 MPH	77 F	---
[04:00 PM-04:15 PM]	126	17 MPH	77 F	---
[04:15 PM-04:30 PM]	135	19 MPH	75 F	---
[04:30 PM-04:45 PM]	119	18 MPH	75 F	---
[04:45 PM-05:00 PM]	106	21 MPH	75 F	---
[05:00 PM-05:15 PM]	123	18 MPH	75 F	---
[05:15 PM-05:30 PM]	119	19 MPH	75 F	---
[05:30 PM-05:45 PM]	96	20 MPH	75 F	---
[05:45 PM-06:00 PM]	94	23 MPH	72 F	---
[06:00 PM-06:15 PM]	72	21 MPH	72 F	---
[06:15 PM-06:30 PM]	106	21 MPH	72 F	---
[06:30 PM-06:45 PM]	88	18 MPH	68 F	---
[06:45 PM-07:00 PM]	83	18 MPH	68 F	---
[07:00 PM-07:15 PM]	110	17 MPH	68 F	---
[07:15 PM-07:30 PM]	76	19 MPH	68 F	---

10/04/2021 07:41 AM

Page: 4

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401202 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: EB 1202 Street: West Market Street City: Leesburg County: Loudoun County State: VA	Raw Count: 10,250 AADT Count: 5,125 AADT Factor: 1 Speed Limit: 25
---	---	---

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry										
Fri,10/01/2021														
[07:30 PM-07:45 PM]	58	18 MPH	68 F	---										
[07:45 PM-08:00 PM]	62	22 MPH	66 F	---										
[08:00 PM-08:15 PM]	61	20 MPH	66 F	---										
[08:15 PM-08:30 PM]	42	21 MPH	66 F	---										
[08:30 PM-08:45 PM]	52	19 MPH	66 F	---										
[08:45 PM-09:00 PM]	47	20 MPH	66 F	---										
[09:00 PM-09:15 PM]	45	21 MPH	63 F	---										
[09:15 PM-09:30 PM]	47	23 MPH	63 F	---										
[09:30 PM-09:45 PM]	70	22 MPH	63 F	---										
[09:45 PM-10:00 PM]	46	21 MPH	63 F	---										
[10:00 PM-10:15 PM]	82	22 MPH	63 F	---										
[10:15 PM-10:30 PM]	46	23 MPH	63 F	---										
[10:30 PM-10:45 PM]	27	20 MPH	63 F	---										
[10:45 PM-11:00 PM]	29	28 MPH	61 F	---										
[11:00 PM-11:15 PM]	28	26 MPH	61 F	---										
[11:15 PM-11:30 PM]	19	27 MPH	61 F	---										
[11:30 PM-11:45 PM]	17	25 MPH	61 F	---										
[11:45 PM-12:00 AM]	9	24 MPH	61 F	---										
Fri,10/01/2021	5493	20 MPH	69 F											
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">09/30/2021 12:00 AM</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td>10/02/2021 12:00 AM</td> <td style="text-align: center;">10250</td> <td style="text-align: center;">20 MPH</td> <td style="text-align: center;">69 F</td> <td></td> </tr> </table>					09/30/2021 12:00 AM					10/02/2021 12:00 AM	10250	20 MPH	69 F	
09/30/2021 12:00 AM														
10/02/2021 12:00 AM	10250	20 MPH	69 F											

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: West Market Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401202. The study was done in the EB 1202 lane at West Market Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 10,250 vehicles passed through the location with a peak volume of 135 on 10/01/2021 at [04:15 PM-04:30 PM] and a minimum volume of 0 on 09/30/2021 at [01:00 AM-01:15 AM]. The AADT count for this study was 5,125.

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 20 MPH with 1.60% vehicles exceeding the posted speed of 25 MPH. 0.45% 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 25.16 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
792	1159	3026	3642	1218	210	58	28	77						

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 4660 which represents 46 percent of the total classified vehicles. The number of Vans & Pickups in the study was 4596 which represents 45 percent of the total classified vehicles. The number of Busses & Trucks in the study was 775 which represents 8 percent of the total classified vehicles. The number of Tractor Trailers in the study was 155 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
4660	3322	1274	496	184	121	52	101							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [04:15 PM-04:30 PM] the average headway between vehicles was 6.618 seconds. During the slowest traffic period, on 09/30/2021 at [01:00 AM-01:15 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401211 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: WB 1211 Street: West Market Street City: Leesburg County: Loudoun County State: VA	Raw Count: 11,012 AADT Count: 5,506 AADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	8	25 MPH	63 F	---
[12:15 AM-12:30 AM]	3	23 MPH	63 F	---
[12:30 AM-12:45 AM]	1	22 MPH	63 F	---
[12:45 AM-01:00 AM]	1	18 MPH	63 F	---
[01:00 AM-01:15 AM]	0	0 MPH	63 F	---
[01:15 AM-01:30 AM]	2	33 MPH	63 F	---
[01:30 AM-01:45 AM]	1	28 MPH	63 F	---
[01:45 AM-02:00 AM]	2	25 MPH	63 F	---
[02:00 AM-02:15 AM]	1	22 MPH	63 F	---
[02:15 AM-02:30 AM]	2	30 MPH	63 F	---
[02:30 AM-02:45 AM]	0	0 MPH	63 F	---
[02:45 AM-03:00 AM]	2	27 MPH	63 F	---
[03:00 AM-03:15 AM]	0	0 MPH	61 F	---
[03:15 AM-03:30 AM]	2	28 MPH	61 F	---
[03:30 AM-03:45 AM]	2	25 MPH	61 F	---
[03:45 AM-04:00 AM]	1	32 MPH	61 F	---
[04:00 AM-04:15 AM]	1	18 MPH	61 F	---
[04:15 AM-04:30 AM]	7	26 MPH	61 F	---
[04:30 AM-04:45 AM]	4	25 MPH	61 F	---
[04:45 AM-05:00 AM]	6	22 MPH	61 F	---
[05:00 AM-05:15 AM]	7	28 MPH	61 F	---
[05:15 AM-05:30 AM]	7	28 MPH	61 F	---
[05:30 AM-05:45 AM]	12	27 MPH	61 F	---
[05:45 AM-06:00 AM]	28	26 MPH	61 F	---
[06:00 AM-06:15 AM]	21	22 MPH	61 F	---
[06:15 AM-06:30 AM]	26	25 MPH	61 F	---
[06:30 AM-06:45 AM]	29	20 MPH	61 F	---
[06:45 AM-07:00 AM]	28	23 MPH	61 F	---
[07:00 AM-07:15 AM]	23	25 MPH	61 F	---
[07:15 AM-07:30 AM]	50	22 MPH	61 F	---
[07:30 AM-07:45 AM]	54	13 MPH	61 F	---
[07:45 AM-08:00 AM]	72	17 MPH	61 F	---
[08:00 AM-08:15 AM]	91	15 MPH	61 F	---
[08:15 AM-08:30 AM]	87	14 MPH	61 F	---
[08:30 AM-08:45 AM]	92	14 MPH	63 F	---
[08:45 AM-09:00 AM]	97	13 MPH	63 F	---
[09:00 AM-09:15 AM]	112	13 MPH	63 F	---
[09:15 AM-09:30 AM]	100	14 MPH	66 F	---
[09:30 AM-09:45 AM]	99	13 MPH	68 F	---
[09:45 AM-10:00 AM]	67	15 MPH	75 F	---
[10:00 AM-10:15 AM]	95	14 MPH	75 F	---
[10:15 AM-10:30 AM]	71	15 MPH	81 F	---
[10:30 AM-10:45 AM]	104	14 MPH	81 F	---
[10:45 AM-11:00 AM]	91	13 MPH	82 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401211	Location: Downtown Leesburg	Raw Count: 11,012
Operator: AH	Lane: WB 1211	ADT Count: 5,506
Begin: 09/30/2021 12:00 AM	Street: West Market Street	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[11:00 AM-11:15 AM]	89	14 MPH	86 F	---
[11:15 AM-11:30 AM]	78	14 MPH	90 F	---
[11:30 AM-11:45 AM]	86	15 MPH	91 F	---
[11:45 AM-12:00 PM]	113	11 MPH	91 F	---
[12:00 PM-12:15 PM]	122	11 MPH	90 F	---
[12:15 PM-12:30 PM]	97	14 MPH	91 F	---
[12:30 PM-12:45 PM]	118	13 MPH	95 F	---
[12:45 PM-01:00 PM]	96	15 MPH	95 F	---
[01:00 PM-01:15 PM]	89	13 MPH	97 F	---
[01:15 PM-01:30 PM]	116	13 MPH	97 F	---
[01:30 PM-01:45 PM]	92	14 MPH	100 F	---
[01:45 PM-02:00 PM]	94	12 MPH	97 F	---
[02:00 PM-02:15 PM]	95	15 MPH	97 F	---
[02:15 PM-02:30 PM]	102	13 MPH	97 F	---
[02:30 PM-02:45 PM]	92	15 MPH	100 F	---
[02:45 PM-03:00 PM]	100	14 MPH	100 F	---
[03:00 PM-03:15 PM]	100	13 MPH	100 F	---
[03:15 PM-03:30 PM]	105	13 MPH	100 F	---
[03:30 PM-03:45 PM]	115	13 MPH	100 F	---
[03:45 PM-04:00 PM]	114	16 MPH	100 F	---
[04:00 PM-04:15 PM]	121	13 MPH	100 F	---
[04:15 PM-04:30 PM]	92	13 MPH	97 F	---
[04:30 PM-04:45 PM]	118	14 MPH	95 F	---
[04:45 PM-05:00 PM]	122	15 MPH	91 F	---
[05:00 PM-05:15 PM]	132	13 MPH	90 F	---
[05:15 PM-05:30 PM]	118	12 MPH	90 F	---
[05:30 PM-05:45 PM]	134	13 MPH	90 F	---
[05:45 PM-06:00 PM]	101	14 MPH	86 F	---
[06:00 PM-06:15 PM]	104	14 MPH	82 F	---
[06:15 PM-06:30 PM]	108	13 MPH	82 F	---
[06:30 PM-06:45 PM]	98	15 MPH	82 F	---
[06:45 PM-07:00 PM]	87	14 MPH	81 F	---
[07:00 PM-07:15 PM]	53	14 MPH	81 F	---
[07:15 PM-07:30 PM]	57	17 MPH	77 F	---
[07:30 PM-07:45 PM]	47	18 MPH	77 F	---
[07:45 PM-08:00 PM]	43	18 MPH	75 F	---
[08:00 PM-08:15 PM]	34	23 MPH	75 F	---
[08:15 PM-08:30 PM]	44	21 MPH	75 F	---
[08:30 PM-08:45 PM]	32	19 MPH	72 F	---
[08:45 PM-09:00 PM]	32	21 MPH	72 F	---
[09:00 PM-09:15 PM]	29	22 MPH	72 F	---
[09:15 PM-09:30 PM]	16	23 MPH	72 F	---
[09:30 PM-09:45 PM]	28	20 MPH	72 F	---
[09:45 PM-10:00 PM]	18	21 MPH	68 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401211 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: WB 1211 Street: West Market Street City: Leesburg County: Loudoun County State: VA	Raw Count: 11,012 AADT Count: 5,506 AADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,09/30/2021				
[10:00 PM-10:15 PM]	14	25 MPH	68 F	---
[10:15 PM-10:30 PM]	12	23 MPH	68 F	---
[10:30 PM-10:45 PM]	5	26 MPH	68 F	---
[10:45 PM-11:00 PM]	8	25 MPH	68 F	---
[11:00 PM-11:15 PM]	4	26 MPH	66 F	---
[11:15 PM-11:30 PM]	7	23 MPH	66 F	---
[11:30 PM-11:45 PM]	8	25 MPH	66 F	---
[11:45 PM-12:00 AM]	5	24 MPH	66 F	---
Thu,09/30/2021	5353	15 MPH	75 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	3	23 MPH	66 F	---
[12:15 AM-12:30 AM]	8	25 MPH	66 F	---
[12:30 AM-12:45 AM]	5	26 MPH	63 F	---
[12:45 AM-01:00 AM]	4	32 MPH	63 F	---
[01:00 AM-01:15 AM]	2	23 MPH	63 F	---
[01:15 AM-01:30 AM]	1	22 MPH	63 F	---
[01:30 AM-01:45 AM]	3	27 MPH	63 F	---
[01:45 AM-02:00 AM]	2	28 MPH	63 F	---
[02:00 AM-02:15 AM]	1	18 MPH	63 F	---
[02:15 AM-02:30 AM]	0	0 MPH	63 F	---
[02:30 AM-02:45 AM]	3	26 MPH	63 F	---
[02:45 AM-03:00 AM]	1	38 MPH	61 F	---
[03:00 AM-03:15 AM]	1	28 MPH	61 F	---
[03:15 AM-03:30 AM]	2	23 MPH	61 F	---
[03:30 AM-03:45 AM]	2	23 MPH	61 F	---
[03:45 AM-04:00 AM]	1	28 MPH	61 F	---
[04:00 AM-04:15 AM]	0	0 MPH	61 F	---
[04:15 AM-04:30 AM]	5	26 MPH	61 F	---
[04:30 AM-04:45 AM]	4	23 MPH	61 F	---
[04:45 AM-05:00 AM]	10	24 MPH	61 F	---
[05:00 AM-05:15 AM]	10	27 MPH	61 F	---
[05:15 AM-05:30 AM]	15	23 MPH	57 F	---
[05:30 AM-05:45 AM]	13	25 MPH	57 F	---
[05:45 AM-06:00 AM]	21	27 MPH	57 F	---
[06:00 AM-06:15 AM]	22	24 MPH	57 F	---
[06:15 AM-06:30 AM]	27	24 MPH	57 F	---
[06:30 AM-06:45 AM]	25	24 MPH	57 F	---
[06:45 AM-07:00 AM]	34	25 MPH	57 F	---
[07:00 AM-07:15 AM]	25	24 MPH	57 F	---
[07:15 AM-07:30 AM]	49	19 MPH	57 F	---
[07:30 AM-07:45 AM]	50	21 MPH	57 F	---
[07:45 AM-08:00 AM]	67	17 MPH	57 F	---
[08:00 AM-08:15 AM]	69	16 MPH	57 F	---
[08:15 AM-08:30 AM]	92	14 MPH	61 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401211 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: WB 1211 Street: West Market Street City: Leesburg County: Loudoun County State: VA	Raw Count: 11,012 ADT Count: 5,506 ADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Fri, 10/01/2021

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
[08:30 AM-08:45 AM]	64	15 MPH	61 F	---
[08:45 AM-09:00 AM]	103	15 MPH	63 F	---
[09:00 AM-09:15 AM]	75	15 MPH	63 F	---
[09:15 AM-09:30 AM]	87	14 MPH	63 F	---
[09:30 AM-09:45 AM]	73	12 MPH	68 F	---
[09:45 AM-10:00 AM]	72	12 MPH	72 F	---
[10:00 AM-10:15 AM]	63	15 MPH	75 F	---
[10:15 AM-10:30 AM]	67	16 MPH	77 F	---
[10:30 AM-10:45 AM]	94	14 MPH	81 F	---
[10:45 AM-11:00 AM]	87	14 MPH	82 F	---
[11:00 AM-11:15 AM]	82	13 MPH	86 F	---
[11:15 AM-11:30 AM]	94	14 MPH	86 F	---
[11:30 AM-11:45 AM]	93	11 MPH	90 F	---
[11:45 AM-12:00 PM]	86	11 MPH	90 F	---
[12:00 PM-12:15 PM]	92	14 MPH	91 F	---
[12:15 PM-12:30 PM]	98	12 MPH	91 F	---
[12:30 PM-12:45 PM]	91	12 MPH	95 F	---
[12:45 PM-01:00 PM]	115	13 MPH	95 F	---
[01:00 PM-01:15 PM]	111	12 MPH	95 F	---
[01:15 PM-01:30 PM]	84	14 MPH	97 F	---
[01:30 PM-01:45 PM]	99	13 MPH	97 F	---
[01:45 PM-02:00 PM]	91	14 MPH	100 F	---
[02:00 PM-02:15 PM]	86	14 MPH	100 F	---
[02:15 PM-02:30 PM]	94	14 MPH	100 F	---
[02:30 PM-02:45 PM]	93	12 MPH	100 F	---
[02:45 PM-03:00 PM]	110	11 MPH	100 F	---
[03:00 PM-03:15 PM]	115	11 MPH	100 F	---
[03:15 PM-03:30 PM]	120	13 MPH	97 F	---
[03:30 PM-03:45 PM]	114	14 MPH	97 F	---
[03:45 PM-04:00 PM]	122	13 MPH	97 F	---
[04:00 PM-04:15 PM]	121	14 MPH	97 F	---
[04:15 PM-04:30 PM]	130	12 MPH	97 F	---
[04:30 PM-04:45 PM]	150	14 MPH	95 F	---
[04:45 PM-05:00 PM]	139	11 MPH	91 F	---
[05:00 PM-05:15 PM]	139	12 MPH	90 F	---
[05:15 PM-05:30 PM]	137	12 MPH	86 F	---
[05:30 PM-05:45 PM]	138	10 MPH	86 F	---
[05:45 PM-06:00 PM]	118	13 MPH	86 F	---
[06:00 PM-06:15 PM]	133	12 MPH	82 F	---
[06:15 PM-06:30 PM]	116	12 MPH	82 F	---
[06:30 PM-06:45 PM]	118	12 MPH	81 F	---
[06:45 PM-07:00 PM]	98	14 MPH	81 F	---
[07:00 PM-07:15 PM]	77	14 MPH	77 F	---
[07:15 PM-07:30 PM]	62	15 MPH	75 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401211	Location: Downtown Leesburg	Raw Count: 11,012
Operator: AH	Lane: WB 1211	AADT Count: 5,506
Begin: 09/30/2021 12:00 AM	Street: West Market Street	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry										
Fri,10/01/2021														
[07:30 PM-07:45 PM]	82	13 MPH	75 F	---										
[07:45 PM-08:00 PM]	42	17 MPH	75 F	---										
[08:00 PM-08:15 PM]	55	17 MPH	75 F	---										
[08:15 PM-08:30 PM]	39	20 MPH	72 F	---										
[08:30 PM-08:45 PM]	54	15 MPH	72 F	---										
[08:45 PM-09:00 PM]	33	21 MPH	72 F	---										
[09:00 PM-09:15 PM]	39	19 MPH	68 F	---										
[09:15 PM-09:30 PM]	34	18 MPH	68 F	---										
[09:30 PM-09:45 PM]	44	17 MPH	68 F	---										
[09:45 PM-10:00 PM]	37	22 MPH	68 F	---										
[10:00 PM-10:15 PM]	46	17 MPH	68 F	---										
[10:15 PM-10:30 PM]	25	19 MPH	68 F	---										
[10:30 PM-10:45 PM]	33	19 MPH	66 F	---										
[10:45 PM-11:00 PM]	17	19 MPH	66 F	---										
[11:00 PM-11:15 PM]	13	19 MPH	66 F	---										
[11:15 PM-11:30 PM]	8	21 MPH	66 F	---										
[11:30 PM-11:45 PM]	18	23 MPH	66 F	---										
[11:45 PM-12:00 AM]	12	21 MPH	66 F	---										
Fri,10/01/2021	5659	14 MPH	74 F											
<table border="1"> <tr> <td>09/30/2021 12:00 AM</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10/02/2021 12:00 AM</td> <td>11012</td> <td>14 MPH</td> <td>75 F</td> <td></td> </tr> </table>					09/30/2021 12:00 AM					10/02/2021 12:00 AM	11012	14 MPH	75 F	
09/30/2021 12:00 AM														
10/02/2021 12:00 AM	11012	14 MPH	75 F											

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: West Market Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401211. The study was done in the WB 1211 lane at West Market Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 11,012 vehicles passed through the location with a peak volume of 150 on 10/01/2021 at [04:30 PM-04:45 PM] and a minimum volume of 0 on 09/30/2021 at [01:00 AM-01:15 AM]. The AADT count for this study was 5,506.

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 15 MPH with 0.54% vehicles exceeding the posted speed of 25 MPH. 0.14% 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 22.11 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
2633	3080	2778	1577	574	113	24	13	21						

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 4802 which represents 45 percent of the total classified vehicles. The number of Vans & Pickups in the study was 4945 which represents 46 percent of the total classified vehicles. The number of Busses & Trucks in the study was 789 which represents 7 percent of the total classified vehicles. The number of Tractor Trailers in the study was 238 which represents 2 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
4802	3458	1487	543	168	110	80	165							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [04:30 PM-04:45 PM] the average headway between vehicles was 5.96 seconds. During the slowest traffic period, on 09/30/2021 at [01:00 AM-01:15 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 57.00 and 100.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212	Location: Downtown Leesburg	Raw Count: 9,334
Operator: AH	Lane: EB 1212	AADT Count: 4,667
Begin: 09/30/2021 12:00 AM	Street: Loudoun Street SE	AADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	5	16 MPH	61 F	---
[12:15 AM-12:30 AM]	3	17 MPH	61 F	---
[12:30 AM-12:45 AM]	1	32 MPH	57 F	---
[12:45 AM-01:00 AM]	0	0 MPH	57 F	---
[01:00 AM-01:15 AM]	2	33 MPH	57 F	---
[01:15 AM-01:30 AM]	0	0 MPH	57 F	---
[01:30 AM-01:45 AM]	5	27 MPH	57 F	---
[01:45 AM-02:00 AM]	1	4 MPH	57 F	---
[02:00 AM-02:15 AM]	1	22 MPH	57 F	---
[02:15 AM-02:30 AM]	1	18 MPH	57 F	---
[02:30 AM-02:45 AM]	1	18 MPH	57 F	---
[02:45 AM-03:00 AM]	1	22 MPH	57 F	---
[03:00 AM-03:15 AM]	0	0 MPH	57 F	---
[03:15 AM-03:30 AM]	0	0 MPH	57 F	---
[03:30 AM-03:45 AM]	0	0 MPH	57 F	---
[03:45 AM-04:00 AM]	2	33 MPH	55 F	---
[04:00 AM-04:15 AM]	4	33 MPH	55 F	---
[04:15 AM-04:30 AM]	5	26 MPH	55 F	---
[04:30 AM-04:45 AM]	6	26 MPH	55 F	---
[04:45 AM-05:00 AM]	14	26 MPH	55 F	---
[05:00 AM-05:15 AM]	10	32 MPH	55 F	---
[05:15 AM-05:30 AM]	22	29 MPH	55 F	---
[05:30 AM-05:45 AM]	30	28 MPH	55 F	---
[05:45 AM-06:00 AM]	16	26 MPH	55 F	---
[06:00 AM-06:15 AM]	35	25 MPH	55 F	---
[06:15 AM-06:30 AM]	36	29 MPH	55 F	---
[06:30 AM-06:45 AM]	47	25 MPH	55 F	---
[06:45 AM-07:00 AM]	49	25 MPH	55 F	---
[07:00 AM-07:15 AM]	63	24 MPH	55 F	---
[07:15 AM-07:30 AM]	44	27 MPH	55 F	---
[07:30 AM-07:45 AM]	70	26 MPH	55 F	---
[07:45 AM-08:00 AM]	94	24 MPH	55 F	---
[08:00 AM-08:15 AM]	81	24 MPH	57 F	---
[08:15 AM-08:30 AM]	90	24 MPH	61 F	---
[08:30 AM-08:45 AM]	91	22 MPH	63 F	---
[08:45 AM-09:00 AM]	90	23 MPH	66 F	---
[09:00 AM-09:15 AM]	100	22 MPH	66 F	---
[09:15 AM-09:30 AM]	81	21 MPH	68 F	---
[09:30 AM-09:45 AM]	74	21 MPH	72 F	---
[09:45 AM-10:00 AM]	77	20 MPH	75 F	---
[10:00 AM-10:15 AM]	43	20 MPH	77 F	---
[10:15 AM-10:30 AM]	44	22 MPH	81 F	---
[10:30 AM-10:45 AM]	56	22 MPH	82 F	---
[10:45 AM-11:00 AM]	75	19 MPH	86 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: EB 1212 Street: Loudoun Street SE City: Leesburg County: Loudoun County State: VA	Raw Count: 9,334 AADT Count: 4,667 AADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021				
[11:00 AM-11:15 AM]	78	20 MPH	90 F	---
[11:15 AM-11:30 AM]	58	22 MPH	90 F	---
[11:30 AM-11:45 AM]	82	19 MPH	91 F	---
[11:45 AM-12:00 PM]	77	19 MPH	95 F	---
[12:00 PM-12:15 PM]	105	18 MPH	95 F	---
[12:15 PM-12:30 PM]	83	19 MPH	97 F	---
[12:30 PM-12:45 PM]	80	17 MPH	97 F	---
[12:45 PM-01:00 PM]	92	16 MPH	97 F	---
[01:00 PM-01:15 PM]	81	19 MPH	97 F	---
[01:15 PM-01:30 PM]	72	19 MPH	100 F	---
[01:30 PM-01:45 PM]	69	20 MPH	100 F	---
[01:45 PM-02:00 PM]	80	21 MPH	100 F	---
[02:00 PM-02:15 PM]	95	19 MPH	100 F	---
[02:15 PM-02:30 PM]	52	21 MPH	97 F	---
[02:30 PM-02:45 PM]	74	18 MPH	100 F	---
[02:45 PM-03:00 PM]	58	20 MPH	100 F	---
[03:00 PM-03:15 PM]	66	18 MPH	100 F	---
[03:15 PM-03:30 PM]	61	21 MPH	97 F	---
[03:30 PM-03:45 PM]	59	21 MPH	90 F	---
[03:45 PM-04:00 PM]	65	21 MPH	86 F	---
[04:00 PM-04:15 PM]	51	20 MPH	82 F	---
[04:15 PM-04:30 PM]	57	18 MPH	81 F	---
[04:30 PM-04:45 PM]	81	20 MPH	81 F	---
[04:45 PM-05:00 PM]	84	19 MPH	77 F	---
[05:00 PM-05:15 PM]	76	19 MPH	77 F	---
[05:15 PM-05:30 PM]	67	18 MPH	77 F	---
[05:30 PM-05:45 PM]	61	20 MPH	75 F	---
[05:45 PM-06:00 PM]	74	17 MPH	75 F	---
[06:00 PM-06:15 PM]	68	17 MPH	75 F	---
[06:15 PM-06:30 PM]	65	19 MPH	75 F	---
[06:30 PM-06:45 PM]	66	18 MPH	72 F	---
[06:45 PM-07:00 PM]	72	19 MPH	72 F	---
[07:00 PM-07:15 PM]	56	19 MPH	72 F	---
[07:15 PM-07:30 PM]	47	21 MPH	72 F	---
[07:30 PM-07:45 PM]	49	19 MPH	68 F	---
[07:45 PM-08:00 PM]	40	17 MPH	68 F	---
[08:00 PM-08:15 PM]	39	19 MPH	68 F	---
[08:15 PM-08:30 PM]	32	18 MPH	68 F	---
[08:30 PM-08:45 PM]	34	20 MPH	66 F	---
[08:45 PM-09:00 PM]	25	21 MPH	66 F	---
[09:00 PM-09:15 PM]	28	21 MPH	66 F	---
[09:15 PM-09:30 PM]	23	21 MPH	66 F	---
[09:30 PM-09:45 PM]	22	21 MPH	66 F	---
[09:45 PM-10:00 PM]	13	22 MPH	66 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: EB 1212 Street: Loudoun Street SE City: Leesburg County: Loudoun County State: VA	Raw Count: 9,334 AADT Count: 4,667 AADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,09/30/2021				
[10:00 PM-10:15 PM]	14	23 MPH	66 F	---
[10:15 PM-10:30 PM]	15	22 MPH	63 F	---
[10:30 PM-10:45 PM]	8	26 MPH	63 F	---
[10:45 PM-11:00 PM]	15	24 MPH	63 F	---
[11:00 PM-11:15 PM]	9	21 MPH	63 F	---
[11:15 PM-11:30 PM]	5	30 MPH	63 F	---
[11:30 PM-11:45 PM]	7	21 MPH	61 F	---
[11:45 PM-12:00 AM]	6	28 MPH	61 F	---
Thu,09/30/2021	4266	21 MPH	71 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	2	25 MPH	61 F	---
[12:15 AM-12:30 AM]	2	20 MPH	61 F	---
[12:30 AM-12:45 AM]	6	24 MPH	61 F	---
[12:45 AM-01:00 AM]	2	23 MPH	61 F	---
[01:00 AM-01:15 AM]	2	28 MPH	61 F	---
[01:15 AM-01:30 AM]	2	23 MPH	57 F	---
[01:30 AM-01:45 AM]	3	23 MPH	57 F	---
[01:45 AM-02:00 AM]	2	25 MPH	57 F	---
[02:00 AM-02:15 AM]	0	0 MPH	57 F	---
[02:15 AM-02:30 AM]	1	4 MPH	57 F	---
[02:30 AM-02:45 AM]	0	0 MPH	57 F	---
[02:45 AM-03:00 AM]	0	0 MPH	57 F	---
[03:00 AM-03:15 AM]	2	25 MPH	57 F	---
[03:15 AM-03:30 AM]	0	0 MPH	57 F	---
[03:30 AM-03:45 AM]	2	23 MPH	55 F	---
[03:45 AM-04:00 AM]	4	29 MPH	55 F	---
[04:00 AM-04:15 AM]	3	33 MPH	55 F	---
[04:15 AM-04:30 AM]	7	28 MPH	55 F	---
[04:30 AM-04:45 AM]	4	30 MPH	55 F	---
[04:45 AM-05:00 AM]	10	25 MPH	55 F	---
[05:00 AM-05:15 AM]	11	28 MPH	55 F	---
[05:15 AM-05:30 AM]	19	24 MPH	55 F	---
[05:30 AM-05:45 AM]	29	28 MPH	55 F	---
[05:45 AM-06:00 AM]	20	29 MPH	55 F	---
[06:00 AM-06:15 AM]	44	24 MPH	55 F	---
[06:15 AM-06:30 AM]	33	26 MPH	55 F	---
[06:30 AM-06:45 AM]	40	26 MPH	55 F	---
[06:45 AM-07:00 AM]	49	24 MPH	55 F	---
[07:00 AM-07:15 AM]	59	25 MPH	55 F	---
[07:15 AM-07:30 AM]	58	25 MPH	55 F	---
[07:30 AM-07:45 AM]	84	26 MPH	55 F	---
[07:45 AM-08:00 AM]	71	24 MPH	55 F	---
[08:00 AM-08:15 AM]	93	22 MPH	55 F	---
[08:15 AM-08:30 AM]	84	23 MPH	61 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: EB 1212 Street: Loudoun Street SE City: Leesburg County: Loudoun County State: VA	Raw Count: 9,334 ADT Count: 4,667 ADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Fri, 10/01/2021

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
[08:30 AM-08:45 AM]	83	22 MPH	61 F	---
[08:45 AM-09:00 AM]	93	24 MPH	63 F	---
[09:00 AM-09:15 AM]	80	23 MPH	63 F	---
[09:15 AM-09:30 AM]	60	21 MPH	68 F	---
[09:30 AM-09:45 AM]	60	23 MPH	72 F	---
[09:45 AM-10:00 AM]	71	19 MPH	72 F	---
[10:00 AM-10:15 AM]	65	20 MPH	75 F	---
[10:15 AM-10:30 AM]	63	21 MPH	77 F	---
[10:30 AM-10:45 AM]	85	20 MPH	81 F	---
[10:45 AM-11:00 AM]	69	18 MPH	82 F	---
[11:00 AM-11:15 AM]	78	19 MPH	86 F	---
[11:15 AM-11:30 AM]	64	21 MPH	90 F	---
[11:30 AM-11:45 AM]	81	17 MPH	91 F	---
[11:45 AM-12:00 PM]	79	17 MPH	95 F	---
[12:00 PM-12:15 PM]	117	17 MPH	95 F	---
[12:15 PM-12:30 PM]	101	18 MPH	97 F	---
[12:30 PM-12:45 PM]	97	18 MPH	97 F	---
[12:45 PM-01:00 PM]	88	18 MPH	100 F	---
[01:00 PM-01:15 PM]	97	19 MPH	100 F	---
[01:15 PM-01:30 PM]	71	16 MPH	102 F	---
[01:30 PM-01:45 PM]	79	17 MPH	102 F	---
[01:45 PM-02:00 PM]	83	18 MPH	102 F	---
[02:00 PM-02:15 PM]	73	17 MPH	102 F	---
[02:15 PM-02:30 PM]	65	17 MPH	102 F	---
[02:30 PM-02:45 PM]	74	18 MPH	102 F	---
[02:45 PM-03:00 PM]	66	21 MPH	102 F	---
[03:00 PM-03:15 PM]	67	20 MPH	102 F	---
[03:15 PM-03:30 PM]	62	20 MPH	100 F	---
[03:30 PM-03:45 PM]	75	20 MPH	91 F	---
[03:45 PM-04:00 PM]	81	20 MPH	86 F	---
[04:00 PM-04:15 PM]	87	19 MPH	82 F	---
[04:15 PM-04:30 PM]	91	20 MPH	82 F	---
[04:30 PM-04:45 PM]	91	18 MPH	81 F	---
[04:45 PM-05:00 PM]	91	19 MPH	81 F	---
[05:00 PM-05:15 PM]	122	14 MPH	77 F	---
[05:15 PM-05:30 PM]	104	14 MPH	77 F	---
[05:30 PM-05:45 PM]	84	17 MPH	77 F	---
[05:45 PM-06:00 PM]	92	15 MPH	75 F	---
[06:00 PM-06:15 PM]	102	14 MPH	75 F	---
[06:15 PM-06:30 PM]	97	12 MPH	75 F	---
[06:30 PM-06:45 PM]	86	14 MPH	75 F	---
[06:45 PM-07:00 PM]	92	13 MPH	72 F	---
[07:00 PM-07:15 PM]	97	12 MPH	72 F	---
[07:15 PM-07:30 PM]	77	12 MPH	72 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401212 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: EB 1212 Street: Loudoun Street SE City: Leesburg County: Loudoun County State: VA	Raw Count: 9,334 ADT Count: 4,667 ADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,10/01/2021				
[07:30 PM-07:45 PM]	56	12 MPH	68 F	---
[07:45 PM-08:00 PM]	57	9 MPH	68 F	---
[08:00 PM-08:15 PM]	47	15 MPH	68 F	---
[08:15 PM-08:30 PM]	58	16 MPH	68 F	---
[08:30 PM-08:45 PM]	48	13 MPH	66 F	---
[08:45 PM-09:00 PM]	34	16 MPH	66 F	---
[09:00 PM-09:15 PM]	26	18 MPH	66 F	---
[09:15 PM-09:30 PM]	49	18 MPH	66 F	---
[09:30 PM-09:45 PM]	61	16 MPH	63 F	---
[09:45 PM-10:00 PM]	55	16 MPH	63 F	---
[10:00 PM-10:15 PM]	47	18 MPH	63 F	---
[10:15 PM-10:30 PM]	37	16 MPH	63 F	---
[10:30 PM-10:45 PM]	42	17 MPH	63 F	---
[10:45 PM-11:00 PM]	15	19 MPH	61 F	---
[11:00 PM-11:15 PM]	17	16 MPH	61 F	---
[11:15 PM-11:30 PM]	13	18 MPH	61 F	---
[11:30 PM-11:45 PM]	11	20 MPH	61 F	---
[11:45 PM-12:00 AM]	7	24 MPH	61 F	---
Fri,10/01/2021	5068	18 MPH	71 F	

09/30/2021 12:00 AM				
10/02/2021 12:00 AM	9334	19 MPH	71 F	

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: Loudoun Street SE
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401212. The study was done in the EB 1212 lane at Loudoun Street SE in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 9,334 vehicles passed through the location with a peak volume of 122 on 10/01/2021 at [05:00 PM-05:15 PM] and a minimum volume of 0 on 09/30/2021 at [12:45 AM-01:00 AM]. The AADT count for this study was 4,667.

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 19 MPH with 0.73% vehicles exceeding the posted speed of 25 MPH. 0.16% 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 25.51 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
812	1039	2733	3189	1239	224	35	9	24						

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 4222 which represents 45 percent of the total classified vehicles. The number of Vans & Pickups in the study was 3909 which represents 42 percent of the total classified vehicles. The number of Busses & Trucks in the study was 1054 which represents 11 percent of the total classified vehicles. The number of Tractor Trailers in the study was 110 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
4222	2711	1198	720	259	94	43	57							

CHART 2

HEADWAY

During the peak traffic period, on 10/01/2021 at [05:00 PM-05:15 PM] the average headway between vehicles was 7.317 seconds. During the slowest traffic period, on 09/30/2021 at [12:45 AM-01:00 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 102.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401263	Location: Downtown Leesburg	Raw Count: 10,000
Operator: AH	Lane: SB 1263	ADT Count: 5,000
Begin: 09/30/2021 12:00 AM	Street: N. King Street	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,09/30/2021				
[12:00 AM-12:15 AM]	11	21 MPH	66 F	---
[12:15 AM-12:30 AM]	0	0 MPH	66 F	---
[12:30 AM-12:45 AM]	3	23 MPH	64 F	---
[12:45 AM-01:00 AM]	1	28 MPH	64 F	---
[01:00 AM-01:15 AM]	2	23 MPH	64 F	---
[01:15 AM-01:30 AM]	2	20 MPH	64 F	---
[01:30 AM-01:45 AM]	1	22 MPH	64 F	---
[01:45 AM-02:00 AM]	2	28 MPH	64 F	---
[02:00 AM-02:15 AM]	0	0 MPH	64 F	---
[02:15 AM-02:30 AM]	0	0 MPH	64 F	---
[02:30 AM-02:45 AM]	3	19 MPH	63 F	---
[02:45 AM-03:00 AM]	1	22 MPH	63 F	---
[03:00 AM-03:15 AM]	2	25 MPH	63 F	---
[03:15 AM-03:30 AM]	0	0 MPH	63 F	---
[03:30 AM-03:45 AM]	1	18 MPH	63 F	---
[03:45 AM-04:00 AM]	1	38 MPH	63 F	---
[04:00 AM-04:15 AM]	7	29 MPH	63 F	---
[04:15 AM-04:30 AM]	3	23 MPH	61 F	---
[04:30 AM-04:45 AM]	3	13 MPH	61 F	---
[04:45 AM-05:00 AM]	9	20 MPH	61 F	---
[05:00 AM-05:15 AM]	11	26 MPH	61 F	---
[05:15 AM-05:30 AM]	6	24 MPH	61 F	---
[05:30 AM-05:45 AM]	8	25 MPH	61 F	---
[05:45 AM-06:00 AM]	15	27 MPH	61 F	---
[06:00 AM-06:15 AM]	15	27 MPH	61 F	---
[06:15 AM-06:30 AM]	26	26 MPH	61 F	---
[06:30 AM-06:45 AM]	36	24 MPH	61 F	---
[06:45 AM-07:00 AM]	39	24 MPH	61 F	---
[07:00 AM-07:15 AM]	52	23 MPH	61 F	---
[07:15 AM-07:30 AM]	51	24 MPH	61 F	---
[07:30 AM-07:45 AM]	68	20 MPH	61 F	---
[07:45 AM-08:00 AM]	77	19 MPH	61 F	---
[08:00 AM-08:15 AM]	61	19 MPH	61 F	---
[08:15 AM-08:30 AM]	64	20 MPH	63 F	---
[08:30 AM-08:45 AM]	78	16 MPH	63 F	---
[08:45 AM-09:00 AM]	87	17 MPH	64 F	---
[09:00 AM-09:15 AM]	86	16 MPH	64 F	---
[09:15 AM-09:30 AM]	70	18 MPH	66 F	---
[09:30 AM-09:45 AM]	60	16 MPH	72 F	---
[09:45 AM-10:00 AM]	73	16 MPH	77 F	---
[10:00 AM-10:15 AM]	54	20 MPH	81 F	---
[10:15 AM-10:30 AM]	67	19 MPH	86 F	---
[10:30 AM-10:45 AM]	67	17 MPH	88 F	---
[10:45 AM-11:00 AM]	79	18 MPH	91 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401263	Location: Downtown Leesburg	Raw Count: 10,000
Operator: AH	Lane: SB 1263	ADT Count: 5,000
Begin: 09/30/2021 12:00 AM	Street: N. King Street	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
[11:00 AM-11:15 AM]	74	16 MPH	93 F	---
[11:15 AM-11:30 AM]	69	17 MPH	97 F	---
[11:30 AM-11:45 AM]	88	14 MPH	99 F	---
[11:45 AM-12:00 PM]	90	14 MPH	99 F	---
[12:00 PM-12:15 PM]	76	15 MPH	102 F	---
[12:15 PM-12:30 PM]	80	15 MPH	104 F	---
[12:30 PM-12:45 PM]	79	15 MPH	102 F	---
[12:45 PM-01:00 PM]	102	13 MPH	104 F	---
[01:00 PM-01:15 PM]	81	15 MPH	106 F	---
[01:15 PM-01:30 PM]	75	17 MPH	106 F	---
[01:30 PM-01:45 PM]	82	15 MPH	108 F	---
[01:45 PM-02:00 PM]	78	16 MPH	106 F	---
[02:00 PM-02:15 PM]	69	18 MPH	108 F	---
[02:15 PM-02:30 PM]	75	14 MPH	104 F	---
[02:30 PM-02:45 PM]	104	13 MPH	104 F	---
[02:45 PM-03:00 PM]	103	16 MPH	106 F	---
[03:00 PM-03:15 PM]	102	13 MPH	106 F	---
[03:15 PM-03:30 PM]	88	14 MPH	106 F	---
[03:30 PM-03:45 PM]	91	14 MPH	104 F	---
[03:45 PM-04:00 PM]	107	16 MPH	97 F	---
[04:00 PM-04:15 PM]	119	12 MPH	95 F	---
[04:15 PM-04:30 PM]	118	9 MPH	91 F	---
[04:30 PM-04:45 PM]	106	11 MPH	90 F	---
[04:45 PM-05:00 PM]	91	15 MPH	88 F	---
[05:00 PM-05:15 PM]	105	13 MPH	86 F	---
[05:15 PM-05:30 PM]	110	13 MPH	86 F	---
[05:30 PM-05:45 PM]	117	11 MPH	86 F	---
[05:45 PM-06:00 PM]	117	12 MPH	84 F	---
[06:00 PM-06:15 PM]	90	15 MPH	82 F	---
[06:15 PM-06:30 PM]	88	16 MPH	82 F	---
[06:30 PM-06:45 PM]	65	19 MPH	81 F	---
[06:45 PM-07:00 PM]	90	15 MPH	81 F	---
[07:00 PM-07:15 PM]	78	18 MPH	79 F	---
[07:15 PM-07:30 PM]	82	16 MPH	79 F	---
[07:30 PM-07:45 PM]	76	18 MPH	77 F	---
[07:45 PM-08:00 PM]	55	21 MPH	77 F	---
[08:00 PM-08:15 PM]	55	20 MPH	75 F	---
[08:15 PM-08:30 PM]	37	20 MPH	75 F	---
[08:30 PM-08:45 PM]	73	21 MPH	73 F	---
[08:45 PM-09:00 PM]	34	20 MPH	73 F	---
[09:00 PM-09:15 PM]	40	22 MPH	73 F	---
[09:15 PM-09:30 PM]	38	21 MPH	72 F	---
[09:30 PM-09:45 PM]	40	20 MPH	72 F	---
[09:45 PM-10:00 PM]	29	21 MPH	72 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401263 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: SB 1263 Street: N. King Street City: Leesburg County: Loudoun County State: VA	Raw Count: 10,000 ADT Count: 5,000 ADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Thu,09/30/2021				
[10:00 PM-10:15 PM]	20	21 MPH	72 F	---
[10:15 PM-10:30 PM]	11	19 MPH	70 F	---
[10:30 PM-10:45 PM]	6	23 MPH	70 F	---
[10:45 PM-11:00 PM]	12	24 MPH	70 F	---
[11:00 PM-11:15 PM]	8	24 MPH	68 F	---
[11:15 PM-11:30 PM]	9	20 MPH	68 F	---
[11:30 PM-11:45 PM]	7	23 MPH	68 F	---
[11:45 PM-12:00 AM]	5	22 MPH	68 F	---
Thu,09/30/2021	4946	16 MPH	77 F	
Fri,10/01/2021				
[12:00 AM-12:15 AM]	8	23 MPH	66 F	---
[12:15 AM-12:30 AM]	3	24 MPH	66 F	---
[12:30 AM-12:45 AM]	8	24 MPH	66 F	---
[12:45 AM-01:00 AM]	2	27 MPH	66 F	---
[01:00 AM-01:15 AM]	3	23 MPH	64 F	---
[01:15 AM-01:30 AM]	1	22 MPH	64 F	---
[01:30 AM-01:45 AM]	0	0 MPH	64 F	---
[01:45 AM-02:00 AM]	2	28 MPH	64 F	---
[02:00 AM-02:15 AM]	0	0 MPH	64 F	---
[02:15 AM-02:30 AM]	0	0 MPH	64 F	---
[02:30 AM-02:45 AM]	0	0 MPH	63 F	---
[02:45 AM-03:00 AM]	0	0 MPH	63 F	---
[03:00 AM-03:15 AM]	4	20 MPH	63 F	---
[03:15 AM-03:30 AM]	0	0 MPH	63 F	---
[03:30 AM-03:45 AM]	0	0 MPH	63 F	---
[03:45 AM-04:00 AM]	4	23 MPH	63 F	---
[04:00 AM-04:15 AM]	3	26 MPH	61 F	---
[04:15 AM-04:30 AM]	3	29 MPH	61 F	---
[04:30 AM-04:45 AM]	7	26 MPH	61 F	---
[04:45 AM-05:00 AM]	13	23 MPH	61 F	---
[05:00 AM-05:15 AM]	7	22 MPH	61 F	---
[05:15 AM-05:30 AM]	7	27 MPH	61 F	---
[05:30 AM-05:45 AM]	14	29 MPH	61 F	---
[05:45 AM-06:00 AM]	7	26 MPH	59 F	---
[06:00 AM-06:15 AM]	19	27 MPH	59 F	---
[06:15 AM-06:30 AM]	29	24 MPH	59 F	---
[06:30 AM-06:45 AM]	33	28 MPH	59 F	---
[06:45 AM-07:00 AM]	31	24 MPH	59 F	---
[07:00 AM-07:15 AM]	52	24 MPH	59 F	---
[07:15 AM-07:30 AM]	55	22 MPH	59 F	---
[07:30 AM-07:45 AM]	61	21 MPH	59 F	---
[07:45 AM-08:00 AM]	83	19 MPH	59 F	---
[08:00 AM-08:15 AM]	62	20 MPH	59 F	---
[08:15 AM-08:30 AM]	74	20 MPH	61 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401263	Location: Downtown Leesburg	Raw Count: 10,000
Operator: AH	Lane: SB 1263	ADT Count: 5,000
Begin: 09/30/2021 12:00 AM	Street: N. King Street	ADT Factor: 1
End: 10/02/2021 12:00 AM	City: Leesburg	Speed Limit: 25
Hours: 48.00	County: Loudoun County	
Period (min): 15	State: VA	

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
---------------------	---------------	---------------	---------------------	-------------------------

Fri,10/01/2021

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
[08:30 AM-08:45 AM]	94	16 MPH	61 F	---
[08:45 AM-09:00 AM]	99	15 MPH	63 F	---
[09:00 AM-09:15 AM]	110	12 MPH	63 F	---
[09:15 AM-09:30 AM]	92	17 MPH	64 F	---
[09:30 AM-09:45 AM]	68	18 MPH	70 F	---
[09:45 AM-10:00 AM]	71	16 MPH	75 F	---
[10:00 AM-10:15 AM]	70	17 MPH	81 F	---
[10:15 AM-10:30 AM]	79	17 MPH	84 F	---
[10:30 AM-10:45 AM]	71	18 MPH	86 F	---
[10:45 AM-11:00 AM]	76	15 MPH	90 F	---
[11:00 AM-11:15 AM]	74	17 MPH	93 F	---
[11:15 AM-11:30 AM]	75	15 MPH	95 F	---
[11:30 AM-11:45 AM]	69	15 MPH	97 F	---
[11:45 AM-12:00 PM]	98	14 MPH	99 F	---
[12:00 PM-12:15 PM]	81	14 MPH	100 F	---
[12:15 PM-12:30 PM]	84	14 MPH	102 F	---
[12:30 PM-12:45 PM]	103	9 MPH	102 F	---
[12:45 PM-01:00 PM]	90	16 MPH	104 F	---
[01:00 PM-01:15 PM]	101	12 MPH	104 F	---
[01:15 PM-01:30 PM]	89	16 MPH	106 F	---
[01:30 PM-01:45 PM]	89	12 MPH	108 F	---
[01:45 PM-02:00 PM]	81	15 MPH	108 F	---
[02:00 PM-02:15 PM]	94	16 MPH	108 F	---
[02:15 PM-02:30 PM]	85	15 MPH	109 F	---
[02:30 PM-02:45 PM]	88	15 MPH	109 F	---
[02:45 PM-03:00 PM]	97	14 MPH	108 F	---
[03:00 PM-03:15 PM]	93	8 MPH	104 F	---
[03:15 PM-03:30 PM]	96	9 MPH	102 F	---
[03:30 PM-03:45 PM]	101	12 MPH	102 F	---
[03:45 PM-04:00 PM]	107	15 MPH	95 F	---
[04:00 PM-04:15 PM]	110	16 MPH	91 F	---
[04:15 PM-04:30 PM]	112	13 MPH	90 F	---
[04:30 PM-04:45 PM]	94	14 MPH	88 F	---
[04:45 PM-05:00 PM]	96	13 MPH	88 F	---
[05:00 PM-05:15 PM]	106	10 MPH	86 F	---
[05:15 PM-05:30 PM]	101	12 MPH	86 F	---
[05:30 PM-05:45 PM]	92	14 MPH	84 F	---
[05:45 PM-06:00 PM]	80	18 MPH	82 F	---
[06:00 PM-06:15 PM]	78	16 MPH	82 F	---
[06:15 PM-06:30 PM]	103	12 MPH	82 F	---
[06:30 PM-06:45 PM]	84	14 MPH	81 F	---
[06:45 PM-07:00 PM]	87	13 MPH	79 F	---
[07:00 PM-07:15 PM]	65	16 MPH	79 F	---
[07:15 PM-07:30 PM]	52	16 MPH	77 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 401263 Operator: AH Begin: 09/30/2021 12:00 AM End: 10/02/2021 12:00 AM Hours: 48.00 Period (min): 15	Location: Downtown Leesburg Lane: SB 1263 Street: N. King Street City: Leesburg County: Loudoun County State: VA	Raw Count: 10,000 AADT Count: 5,000 AADT Factor: 1 Speed Limit: 25
---	---	---

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry										
Fri,10/01/2021														
[07:30 PM-07:45 PM]	36	19 MPH	75 F	---										
[07:45 PM-08:00 PM]	48	17 MPH	75 F	---										
[08:00 PM-08:15 PM]	37	19 MPH	73 F	---										
[08:15 PM-08:30 PM]	27	19 MPH	73 F	---										
[08:30 PM-08:45 PM]	44	18 MPH	72 F	---										
[08:45 PM-09:00 PM]	33	19 MPH	72 F	---										
[09:00 PM-09:15 PM]	35	20 MPH	72 F	---										
[09:15 PM-09:30 PM]	38	15 MPH	70 F	---										
[09:30 PM-09:45 PM]	41	18 MPH	70 F	---										
[09:45 PM-10:00 PM]	35	18 MPH	70 F	---										
[10:00 PM-10:15 PM]	45	19 MPH	68 F	---										
[10:15 PM-10:30 PM]	31	18 MPH	68 F	---										
[10:30 PM-10:45 PM]	21	19 MPH	68 F	---										
[10:45 PM-11:00 PM]	33	19 MPH	68 F	---										
[11:00 PM-11:15 PM]	23	18 MPH	68 F	---										
[11:15 PM-11:30 PM]	22	22 MPH	66 F	---										
[11:30 PM-11:45 PM]	16	20 MPH	66 F	---										
[11:45 PM-12:00 AM]	9	21 MPH	66 F	---										
Fri,10/01/2021	5054	16 MPH	76 F											
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">09/30/2021 12:00 AM</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td>10/02/2021 12:00 AM</td> <td style="text-align: center;">10000</td> <td style="text-align: center;">16 MPH</td> <td style="text-align: center;">77 F</td> <td></td> </tr> </table>					09/30/2021 12:00 AM					10/02/2021 12:00 AM	10000	16 MPH	77 F	
09/30/2021 12:00 AM														
10/02/2021 12:00 AM	10000	16 MPH	77 F											

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Leesburg
 Street: N. King Street
 Location: Downtown Leesburg**

A study of vehicle traffic was conducted with the device having serial number 401263. The study was done in the SB 1263 lane at N. King Street in Leesburg, VA in Loudoun County county. The study began on 09/30/2021 at 12:00 AM and concluded on 10/02/2021 at 12:00 AM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 10,000 vehicles passed through the location with a peak volume of 119 on 09/30/2021 at [04:00 PM-04:15 PM] and a minimum volume of 0 on 09/30/2021 at [12:15 AM-12:30 AM]. The AADT count for this study was 5,000.

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 16 MPH with 0.73% vehicles exceeding the posted speed of 25 MPH. 0.23% 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 23.27 MPH.

<	10	15	20	25	30	35	40	45						
to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	>						
2066	1960	2879	2352	541	78	30	9	34						

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 6074 which represents 61 percent of the total classified vehicles. The number of Vans & Pickups in the study was 3277 which represents 33 percent of the total classified vehicles. The number of Busses & Trucks in the study was 444 which represents 4 percent of the total classified vehicles. The number of Tractor Trailers in the study was 140 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
6074	2530	747	267	108	92	56	75							

CHART 2

HEADWAY

During the peak traffic period, on 09/30/2021 at [04:00 PM-04:15 PM] the average headway between vehicles was 7.5 seconds. During the slowest traffic period, on 09/30/2021 at [12:15 AM-12:30 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 59.00 and 109.00 degrees F.

**APPENDIX A.2
DETAILED SPEED COUNT
SUMMARY SHEET**

Detailed Speed Count Summary¹

Locations	Typical Weekday (Thurs. 6 AM to 7 PM)			Typical Friday (Friday 6 AM to 7 PM)			Total Average (#1-7: Two Days; #8-13: One Day)		
	85th%ile Speed	Average Speed	Volume	85th%ile Speed	Average Speed	Volume	85th%ile Speed	Average Speed	ADT ²
	Location 1 - N. King St. (Between Cornwall St. and W. Market St.)	24.9	18	7,395	24.2	17	6,972	25.1	17
Location 2 - E. Market St. (Between Church St. and S. King St.)	26.7	22	6,875	26.4	21	6,879	26.9	18	8,076
Location 3 - Harrison Street (Between Loudoun St. SE and South St.)	28.1	21	2,786	26.3	19	3,528	26.9	17	3,853
Location 4 - Loudoun St. SE (Between S. King St. and Church St.)	23.8	18	6,718	22.5	17	7,404	23.1	15	8,578
Location 5 - S. King St. (Between Royal St. and W&OD Trail)	27.9	22	6,290	27.4	22	5,287	27.9	22	7,300
Location 6 - Loudoun St. SW (Between Liberty St. and Wirt St.)	26.1	20	5,242	25.5	20	5,580	26.2	20	6,504
Location 7 - W. Market St. (Between Liberty St. and Wirt St.)	22.7	16	8,827	22.3	16	9,169	23.6	15	10,631
Location 8 - E. Market St. (Between Harrison St. SE and Loudoun St. SE)	27.4	23	7,599				27.4	23	7,599
Location 9 - Loudoun St. SW (Between Ayr St. SW and Liberty St.)	30.0	25	4,576				30.0	25	4,576
Location 10 - W. Market St. (Between Ayr St. SW and Memorial Dr. NW)	30.0	25	5,847				30.0	25	5,847
Location 11 - N. King St. (Between N. King St. and Union St. NW)	32.4	28	6,230				32.4	28	6,230
Location 12 - Loudoun St. SW (Between W. Market St. and Ayr St. SW)	33.9	29	3,762				33.9	29	3,762
Location 13 - W. Market St. (Between Loudoun St. and Ayr St. SW)	33.1	28	5,960				33.1	28	5,960
Total Study Area Weighted Average	26.0	22	-	24.6	18	-	26.0	21	-

Notes:

- Each study period summarizes the average of each direction of travel at the location.
- ADT volumes present a one-day (24-hour) traffic volume estimate based on the average of the 2-Day study period (for #1-7).

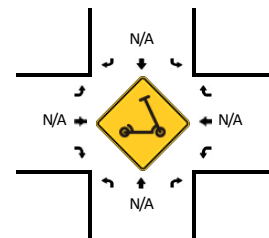
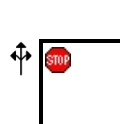
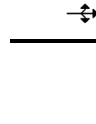
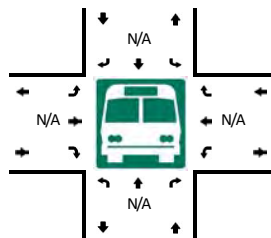
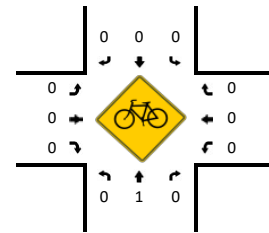
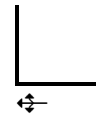
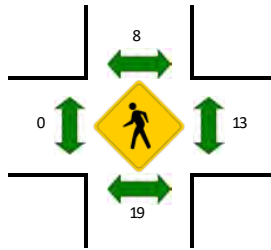
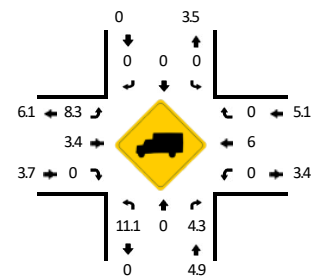
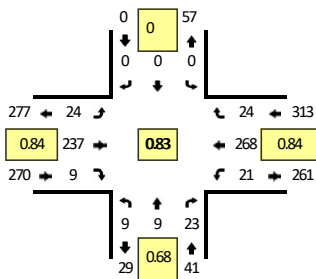
**APPENDIX B
TRAFFIC COUNT DATA**



LOCATION: Wirt St -- W Market St
CITY/STATE: Leesburg, VA

QC JOB #: 15463317
DATE: Fri, Oct 1 2021

Peak-Hour: 11:00 AM -- 12:00 PM
 Peak 15-Min: 11:45 AM -- 12:00 PM

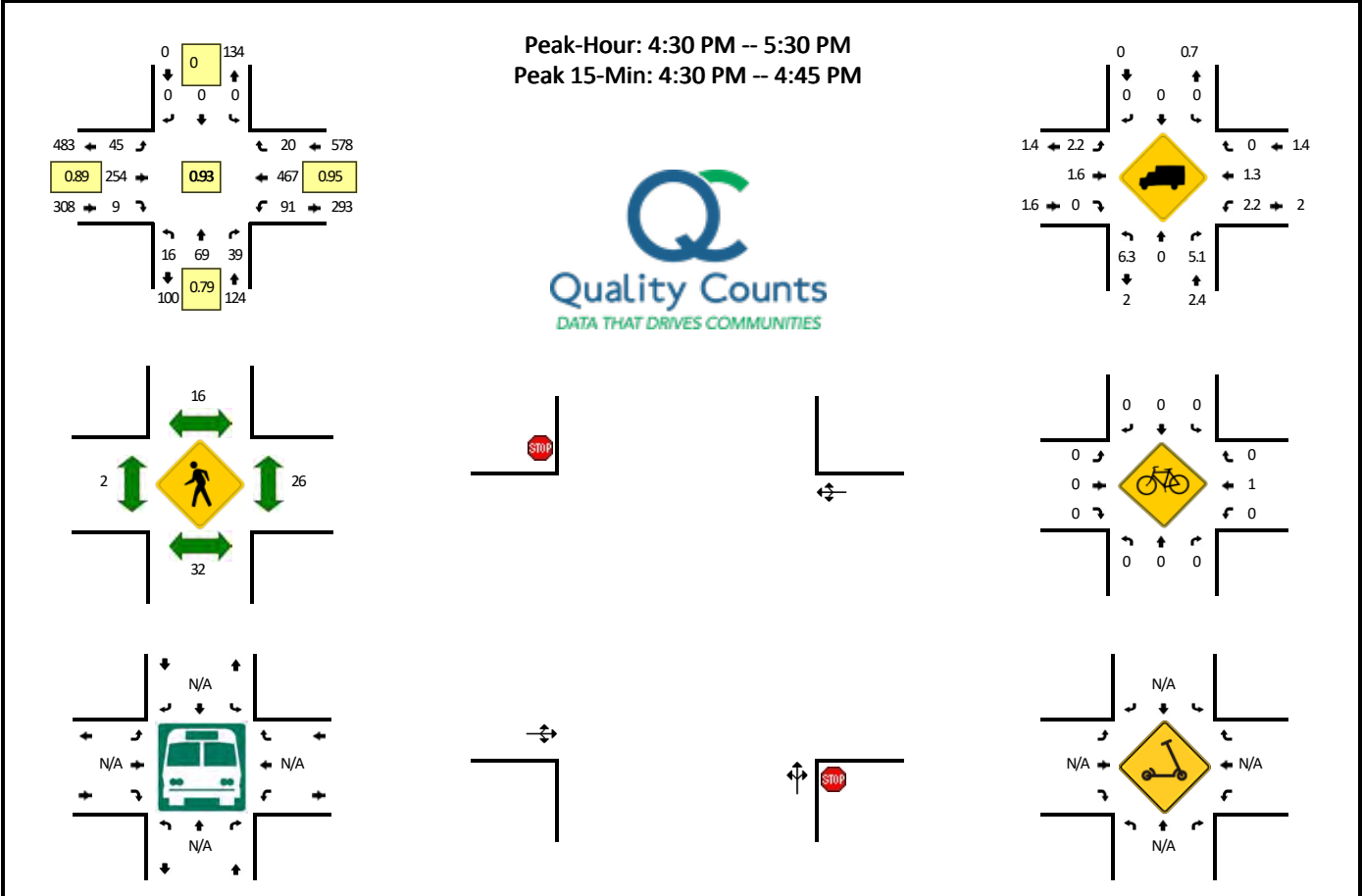


15-Min Count Period Beginning At	Wirt St (Northbound)				Wirt St (Southbound)				W Market St (Eastbound)				W Market St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
11:00 AM	0	2	6	0	0	0	0	0	7	54	2	0	5	67	3	0	146	
11:15 AM	3	0	1	0	0	0	0	0	6	50	1	0	3	68	7	1	140	
11:30 AM	6	3	6	0	0	0	0	0	6	63	1	0	1	59	6	0	151	
11:45 AM	0	4	10	0	0	0	0	0	5	70	5	0	11	74	8	0	187	624
12:00 PM	2	5	6	0	0	0	0	0	4	53	1	0	4	58	6	0	139	617
12:15 PM	2	0	3	0	0	0	1	0	8	53	0	0	4	70	4	0	145	622
12:30 PM	1	2	4	0	0	0	0	0	9	62	2	0	4	61	4	1	150	621
12:45 PM	3	2	5	0	0	0	0	0	7	53	1	0	4	86	6	0	167	601
1:00 PM	2	1	5	0	0	0	0	0	8	45	0	0	4	73	3	0	141	603
1:15 PM	2	3	5	0	0	0	0	0	6	55	3	0	5	60	8	0	147	605
1:30 PM	2	1	6	0	0	0	0	0	7	52	1	0	4	64	7	0	144	599
1:45 PM	4	1	8	0	0	0	0	0	2	54	0	0	4	68	3	0	144	576
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	0	16	40	0	0	0	0	0	20	280	20	0	44	296	32	0	748	
Heavy Trucks	0	0	0	0	0	0	0	0	0	8	0	0	0	20	0	0	28	
Buses																		
Pedestrians		28				0				0				16			44	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Scoters																		

Comments:

LOCATION: Wirt St -- W Market St
CITY/STATE: Leesburg, VA

QC JOB #: 15463318
DATE: Fri, Oct 1 2021



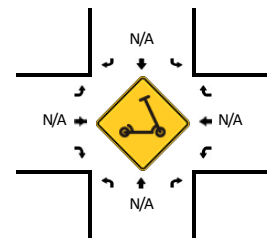
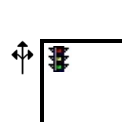
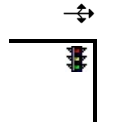
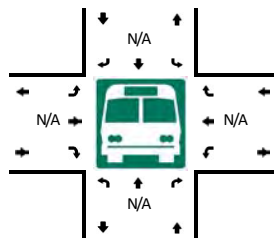
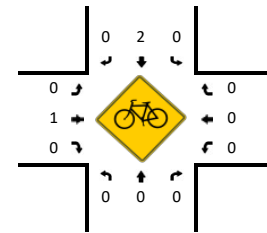
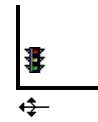
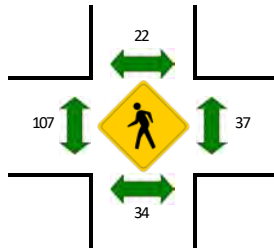
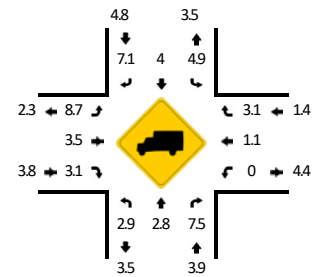
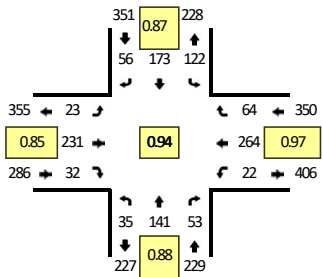
15-Min Count Period Beginning At	Wirt St (Northbound)				Wirt St (Southbound)				W Market St (Eastbound)				W Market St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	2	21	13	0	0	0	0	0	12	50	0	0	17	113	7	0	235	
4:15 PM	0	22	7	0	0	0	0	0	16	60	0	0	23	114	2	0	244	
4:30 PM	7	16	9	0	0	0	0	0	15	70	2	0	22	126	4	0	271	
4:45 PM	3	20	16	0	0	0	0	0	9	59	0	0	15	120	5	0	247	997
5:00 PM	5	20	4	0	0	0	0	0	11	59	4	0	25	110	6	0	244	1006
5:15 PM	1	13	10	0	0	0	0	0	10	66	3	0	29	111	5	0	248	1010
5:30 PM	7	15	11	0	0	0	0	0	14	38	3	0	18	119	4	0	229	968
5:45 PM	3	12	8	0	0	0	0	0	9	48	4	0	24	86	6	0	200	921
6:00 PM	2	15	6	0	0	0	0	0	10	35	2	0	17	92	3	0	182	859
6:15 PM	7	16	18	0	0	0	0	0	9	56	0	0	17	81	6	0	210	821
6:30 PM	5	16	9	0	0	0	0	0	4	46	1	0	23	80	5	0	189	781
6:45 PM	4	10	16	0	0	0	0	0	8	46	4	0	22	95	8	0	213	794
7:00 PM	4	5	9	0	0	0	0	0	7	46	5	0	20	43	3	0	142	754
7:15 PM	1	7	18	0	0	0	0	0	4	42	2	0	12	61	2	0	149	693
7:30 PM	3	8	7	0	0	0	0	0	2	30	1	0	14	64	1	0	130	634
7:45 PM	2	5	14	0	0	0	0	0	1	31	0	0	6	41	3	1	104	525
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	28	64	36	0	0	0	0	0	60	280	8	0	88	504	16	0	1084	
Heavy Trucks	0	0	0	0	0	0	0	0	4	8	0	0	4	8	0	0	24	
Buses																		
Pedestrians		16				8				0				4			28	
Bicycles	0	0	0		0	0	0		0	0	0		0	4	0		4	
Scoters																		

Comments:

LOCATION: King St -- Market St
CITY/STATE: Leesburg, VA

QC JOB #: 15463319
DATE: Fri, Oct 1 2021

Peak-Hour: 11:45 AM -- 12:45 PM
Peak 15-Min: 11:45 AM -- 12:00 PM

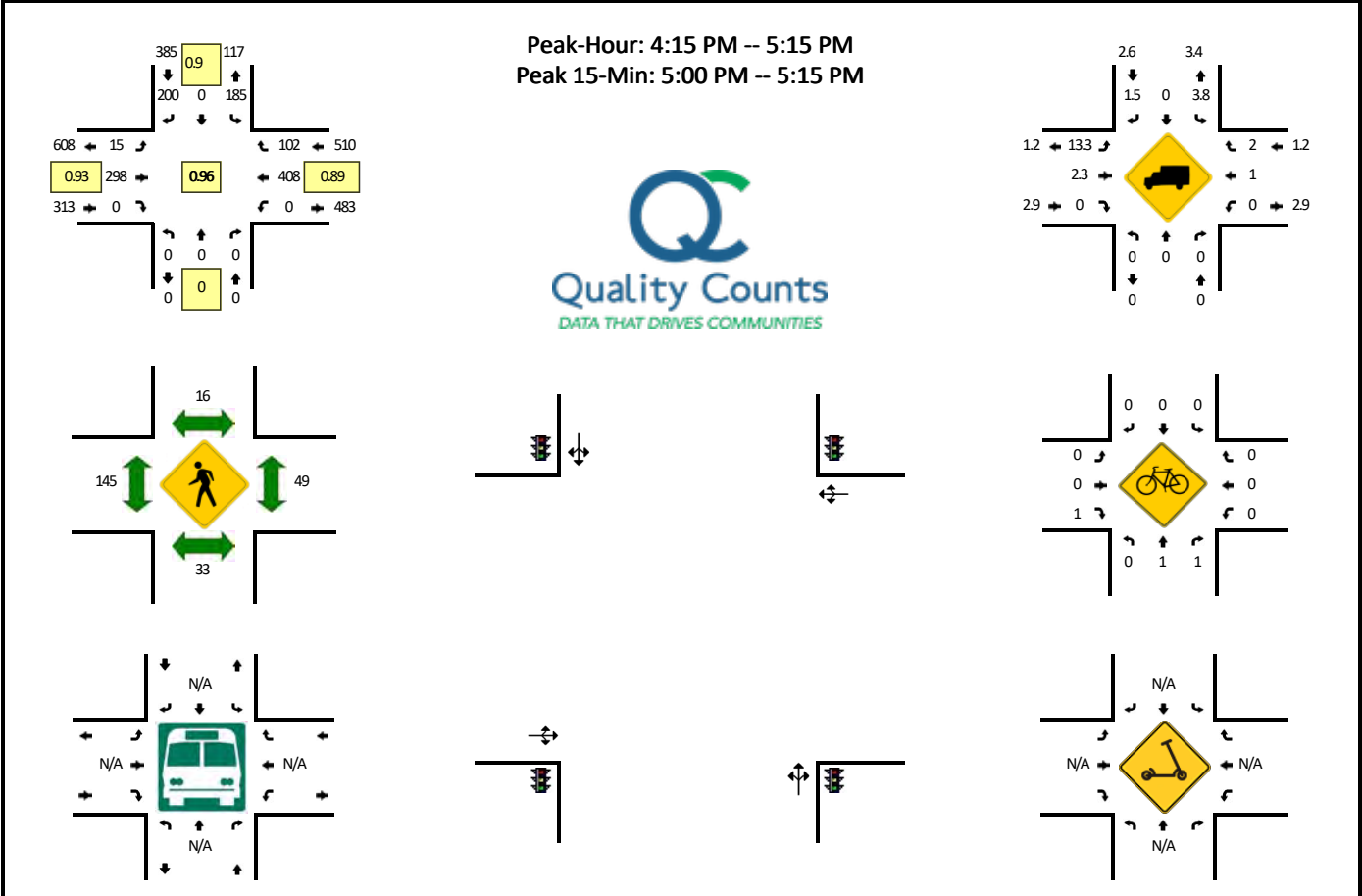


15-Min Count Period Beginning At	King St (Northbound)				King St (Southbound)				Market St (Eastbound)				Market St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
11:00 AM	7	30	11	0	31	31	19	0	1	48	9	0	9	49	12	0	257	
11:15 AM	8	37	3	0	17	34	10	0	5	53	5	0	3	69	21	0	265	
11:30 AM	5	34	5	0	18	44	10	0	4	56	6	0	5	61	16	0	264	
11:45 AM	12	28	16	0	29	47	18	0	10	69	5	0	2	71	17	0	324	1110
12:00 PM	4	48	13	0	33	31	13	0	2	58	9	0	5	63	16	0	295	1148
12:15 PM	7	37	15	0	28	42	9	0	5	48	6	0	7	70	13	0	287	1170
12:30 PM	12	28	9	0	32	53	16	0	6	56	12	0	8	60	18	0	310	1216
12:45 PM	6	35	12	0	21	47	21	0	6	37	12	0	8	75	19	0	299	1191
1:00 PM	9	45	15	0	25	47	13	0	2	53	4	0	11	68	19	0	311	1207
1:15 PM	8	47	10	0	30	49	15	0	3	40	11	0	1	61	17	0	292	1212
1:30 PM	10	45	13	0	25	35	11	0	9	59	10	0	9	67	15	0	308	1210
1:45 PM	9	36	17	0	28	45	13	0	3	49	15	0	3	61	12	0	291	1202
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	48	112	64	0	116	188	72	0	40	276	20	0	8	284	68	0	1296	
Heavy Trucks	4	0	12		4	0	8		0	8	0		0	8	4		48	
Buses																		
Pedestrians		36				4				48				36			124	
Bicycles	0	0	0		0	4	0		0	0	0		0	0	0		4	
Scoters																		

Comments:

LOCATION: King St -- Market St
CITY/STATE: Leesburg, VA

QC JOB #: 15463320
DATE: Fri, Oct 1 2021



15-Min Count Period Beginning At	King St (Northbound)				King St (Southbound)				Market St (Eastbound)				Market St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	0	0	0	0	62	0	43	0	3	66	0	0	0	95	21	0	290	
4:15 PM	0	0	0	0	54	0	53	0	5	79	0	0	0	94	18	0	303	
4:30 PM	0	0	0	0	38	0	45	0	1	83	0	0	0	112	31	0	310	
4:45 PM	0	0	0	0	41	0	55	0	6	63	0	0	0	97	19	0	281	1184
5:00 PM	0	0	0	0	52	0	47	0	3	73	0	0	0	105	34	0	314	1208
5:15 PM	0	0	0	0	45	0	51	0	4	73	0	0	0	104	19	0	296	1201
5:30 PM	0	0	0	0	41	0	44	0	0	57	0	0	0	106	22	0	270	1161
5:45 PM	0	0	0	0	38	0	49	0	1	56	0	0	0	85	16	0	245	1125
6:00 PM	0	0	0	0	33	0	37	0	11	43	0	0	0	93	30	0	247	1058
6:15 PM	0	0	0	0	50	0	46	0	10	57	0	0	0	72	29	0	264	1026
6:30 PM	0	0	0	0	34	0	41	0	14	55	0	0	0	89	23	0	256	1012
6:45 PM	0	0	0	0	36	0	51	0	14	50	0	0	0	74	18	0	243	1010
7:00 PM	0	0	0	0	40	0	29	0	12	70	0	0	0	58	22	0	231	994
7:15 PM	0	0	0	0	25	0	27	0	22	53	0	0	0	43	16	0	186	916
7:30 PM	0	0	0	0	16	0	21	0	11	43	0	0	0	70	14	0	175	835
7:45 PM	0	0	0	0	24	0	23	0	12	37	0	0	0	26	8	0	130	722
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	0	0	0	0	208	0	188	0	12	292	0	0	0	420	136	0	1256	
Heavy Trucks	0	0	0	0	8	0	4	0	0	0	0	0	0	4	8	0	24	
Buses																		
Pedestrians		24				20				172				76			292	
Bicycles	0	0	4		0	0	0		0	0	0		0	0	0		4	
Scooters																		

Comments:



Location: Church St -- Market St/Edwards Ferry Rd NE
 Date: 10/1/2021
 Site Code: 15463321

Start Time	Church St Southbound			Edwards Ferry Rd NE Westbound			Market St Northbound			Market St Northwestbound			Church St Northbound			Market St Eastbound							
	Right	Thru	Left to Market St	Right	Thru	Left	Left to Market St	U-Turn	Right to Edwards Ferry Rd NE	Right to Church St	Left to Market St	Left to Church St	U-Turn	Right to Market St	Thru	Left	U-Turn	Right	Right to Market St	Thru	Left	U-Turn	
11:00 AM	0	0	0	0	1	18	0	2	0	1	5	62	2	0	0	0	0	0	0	75	10	0	0
11:15 AM	0	0	0	0	0	13	0	3	0	2	5	79	2	0	0	0	0	0	0	62	12	0	0
11:30 AM	0	0	0	0	7	23	1	1	0	8	10	68	1	0	0	0	0	0	0	66	13	0	0
11:45 AM	0	0	0	0	1	25	2	2	0	3	14	69	1	0	0	0	0	0	0	67	41	0	0
12:00 PM	0	0	0	0	2	28	2	0	0	3	10	59	0	0	0	0	0	0	0	81	21	0	0
12:15 PM	0	0	0	0	4	22	1	3	0	5	9	71	4	0	0	0	0	0	0	62	26	0	0
12:30 PM	0	0	0	0	3	23	2	3	0	5	11	69	1	0	0	0	0	0	0	79	18	0	0
12:45 PM	0	0	0	0	10	21	2	0	0	5	19	86	1	0	0	0	0	0	0	54	10	0	0
01:00 PM	0	0	0	0	6	26	4	2	0	4	12	69	1	0	0	0	0	0	0	65	21	0	0
01:15 PM	0	0	0	0	7	14	1	4	0	2	13	72	1	0	0	0	0	0	0	65	9	0	0
01:30 PM	0	0	0	0	3	16	2	2	0	4	10	74	1	0	0	0	0	0	0	76	20	0	0
01:45 PM	0	0	0	0	5	32	0	0	0	5	4	57	2	0	0	0	0	0	0	81	11	0	0
Total	0	0	0	0	49	261	17	21	0	47	122	835	17	0	0	0	0	0	833	212	0	0	

Peak Hour: 11:45 AM - 12:45 PM
 Peak 15: 11:45 AM - 12:00 PM
 PHF: 0.946667



Location: Church St -- Market St/Edwards Ferry Rd NE
 Date: 10/1/2021
 Site Code: 15463321

Start Time	Church St Southbound			Edwards Ferry Rd NE Westbound			Market St Northbound				Church St Northbound			Market St Eastbound								
	Right	Thru	Left to Market St	Left	Thru	Right	Right	Edwards Ferry Rd NE	Right to Church St	Left to Market St	Left to Church St	U-Turn	Right to Market St	Right	Thru	Left	U-Turn	Right to Market St	Thru	Left	U-Turn	
11:00 AM	0	0	0	0	1	18	0	0	1	5	57	2	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	12	0	0	2	5	76	2	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	7	20	1	0	8	10	67	1	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	1	23	2	0	3	13	69	1	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	2	28	1	0	3	10	59	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	4	21	1	0	5	9	71	4	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	3	22	2	0	5	11	68	1	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	10	19	2	0	3	19	85	1	0	0	0	0	0	0	0	0	0	0
01:00 PM	0	0	0	0	5	25	4	0	4	12	66	0	0	0	0	0	0	0	0	0	0	0
01:15 PM	0	0	0	0	6	13	1	0	2	13	71	1	0	0	0	0	0	0	0	0	0	0
01:30 PM	0	0	0	0	3	14	2	0	3	10	73	1	0	0	0	0	0	0	0	0	0	0
01:45 PM	0	0	0	0	5	31	0	0	5	4	54	2	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	47	246	16	0	44	121	816	16	0	1	0	0	0	0	802	200	0	0



Location: Church St -- Market St/Edwards Ferry Rd NE
 Date: 10/1/2021
 Site Code: 15463321

Start Time	Church St Southbound			Edwards Ferry Rd NE Westbound			Market St Northwestbound			Church St Northbound			Market St Eastbound			
	Right	Thru	Left to Market St	Right	Thru	Left to Market St	Right to Church St	Left to Market St	Left to Church St	Right to Market St	Thru	Left	Right to Market St	Thru	Left	
11:00 AM	0	0	0	0	0	0	0	5	0	0	0	0	0	5	1	0
11:15 AM	0	0	0	0	1	0	0	0	3	0	0	0	0	0	1	0
11:30 AM	0	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	2	0	1	0	0	0	0	0	0	3	1	0
12:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	0
12:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	3	1	0
12:30 PM	0	0	0	0	2	0	0	1	0	0	0	0	0	4	2	0
12:45 PM	0	0	0	0	1	0	0	3	1	0	0	0	0	2	0	0
01:15 PM	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0
01:30 PM	0	0	0	0	2	0	1	0	1	0	0	0	0	3	1	0
01:45 PM	0	0	0	0	1	0	0	3	0	0	0	0	0	3	2	0
Total	0	0	0	2	15	1	3	1	19	1	0	0	0	31	12	0



Location: Church St -- Market St/Edwards Ferry Rd NE

Date: 10/1/2021

Site Code: 15463321

Start Time	Church St Southbound			Edwards Ferry Rd NE Westbound			Market St Northwestbound			Church St Northbound			Market St Eastbound					
	Right	Thru	Left to Market St	Right	Thru	Left to Market St	Right to Edwards Ferry Rd NE	Right to Church St	Left to Market St	Right to Market St	Thru	Left	Peds	Right to Market St	Thru	Left	Peds	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Total	0	2	0	2	1	0	0	0	0	0	0	0	0	1	2	5	0	158



Location: Church St -- Market St/Edwards Ferry Rd NE
 Date: 10/1/2021
 Site Code: 15463322

Start Time	Church St Southbound			Edwards Ferry Rd NE Westbound				Market St Northbound				Church St Northbound				Market St Eastbound									
	Right	Thru	Left to Market St	Left	Thru	Right	Left to Market St	U-Turn	Right to Edwards Ferry Rd NE	Right to Church St	Left to Market St	Left to Church St	U-Turn	Right to Market St	Thru	Left	Right to Market St	Thru	Left	U-Turn	Right to Market St	Thru	Left	U-Turn	
04:00 PM	0	0	0	0	3	32	41	3	2	3	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	7	41	3	2	3	115	2	83	2	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	7	25	3	1	6	10	1	115	1	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	2	37	5	3	5	12	88	2	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	6	25	8	1	3	8	108	1	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	10	19	5	2	3	18	110	1	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	4	33	3	3	3	21	90	2	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	4	23	4	5	2	6	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00 PM	0	0	0	0	5	23	8	2	7	6	93	3	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15 PM	0	0	0	0	6	33	1	1	2	11	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30 PM	0	0	0	0	2	21	7	0	5	13	82	2	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45 PM	0	0	0	0	7	19	1	2	6	25	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00 PM	0	0	0	0	2	20	2	3	8	14	56	1	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 PM	0	0	0	0	3	17	2	2	6	14	46	2	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 PM	0	0	0	0	5	21	4	1	4	8	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 PM	0	0	0	0	4	11	1	2	2	12	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	77	418	60	27	75	203	1270	17	0	3	0	0	0	0	0	0	0	1157	272	0	

Peak Hour: 4:15 PM - 5:15 PM
 Peak 15: 4:15 PM - 4:30 PM
 PHF: 0.961607



Location: Church St -- Market S/Edwards Ferry Rd NE
 Date: 10/1/2021
 Site Code: 15463322

Start Time	Church St Southbound			Edwards Ferry Rd NE Westbound			Market St Northbound				Church St Northbound				Market St Eastbound							
	Right	Thru	Left to Market St	U-Turn	Left	Thru	Right	Right to Edwards Ferry Rd NE	Right to Church St	Left to Market St	Left to Church St	U-Turn	Right to Market St	Right	Thru	Left	U-Turn	Right to Market St	Thru	Left	U-Turn	
04:00 PM	0	0	0	0	2	30	3	8	12	82	0	0	0	0	1	0	0	0	0	9	0	0
04:15 PM	0	0	0	0	3	39	7	5	12	83	2	0	0	0	0	0	0	0	0	21	0	0
04:30 PM	0	0	0	0	3	25	7	6	10	113	1	0	0	0	0	0	0	0	0	79	18	0
04:45 PM	0	0	0	0	3	37	2	5	12	88	2	0	0	0	0	0	0	0	0	31	0	0
05:00 PM	0	0	0	0	8	24	6	2	8	105	1	0	0	0	0	0	0	0	0	92	18	0
05:15 PM	0	0	0	0	5	2	10	3	18	109	1	0	0	0	0	0	0	0	0	91	17	0
05:30 PM	0	0	0	0	3	29	4	5	21	90	2	0	0	0	0	0	0	0	0	66	20	0
05:45 PM	0	0	0	0	3	41	4	4	6	71	0	0	0	0	0	0	0	0	0	99	16	0
06:00 PM	0	0	0	0	8	23	5	7	6	91	3	0	0	0	0	0	0	0	0	53	11	0
06:15 PM	0	0	0	0	2	32	6	2	11	78	0	0	0	0	0	0	0	0	0	89	17	0
06:30 PM	0	0	0	0	7	21	2	5	13	82	2	0	0	0	0	0	0	0	0	67	17	0
06:45 PM	0	0	0	0	1	19	7	6	25	71	1	0	0	0	0	0	0	0	0	61	10	0
07:00 PM	0	0	0	0	2	20	2	8	14	56	1	0	0	0	0	0	0	0	0	74	25	0
07:15 PM	0	0	0	0	2	17	3	6	14	45	2	0	0	0	0	0	0	0	0	56	13	0
07:30 PM	0	0	0	0	4	21	5	0	8	60	0	0	0	0	0	0	0	0	0	48	11	0
07:45 PM	0	0	0	0	1	11	4	2	12	33	0	0	0	0	0	0	0	0	0	52	11	0
Total	0	0	0	0	60	408	77	74	202	1257	17	0	0	3	0	0	0	0	1139	265	0	0



Location: Church St -- Market St/Edwards Ferry Rd NE
 Date: 10/1/2021
 Site Code: 15463322

Start Time	Church St Southbound			Edwards Ferry Rd NE Westbound			Market St Northwestbound			Church St Northbound			Market St Eastbound		
	Right	Thru	Left to Market St	Right	Thru	Left to Market St	Right to Edwards Ferry Rd NE	Right to Church St	Left to Market St	Right to Market St	Thru	Left	Right to Market St	Thru	Left
04:00 PM	0	0	0	0	2	0	0	0	1	2	0	0	0	1	0
04:15 PM	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0
04:30 PM	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
05:00 PM	0	0	0	0	1	0	1	0	0	3	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
05:30 PM	0	0	0	0	4	0	0	0	0	0	0	0	0	2	0
05:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
06:00 PM	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0
06:15 PM	0	0	0	0	1	0	0	0	0	1	0	0	0	3	0
06:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	10	0	1	1	13	0	0	0	0	18	7

Item a.



Location: Church St -- Market St/Edwards Ferry Rd NE

Date: 10/1/2021

Site Code: 15463322

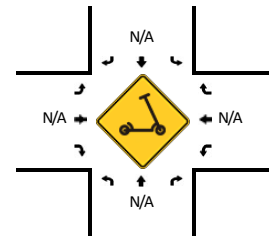
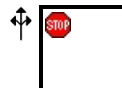
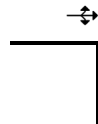
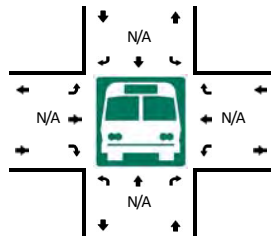
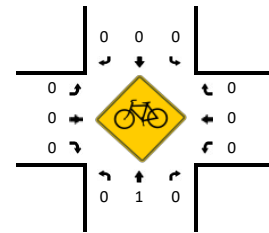
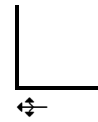
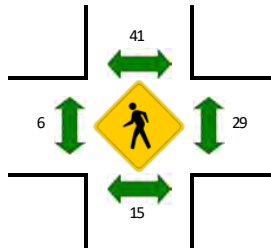
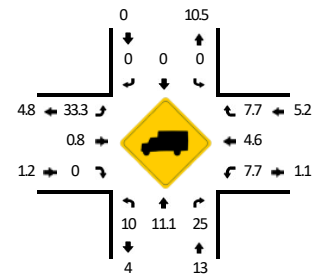
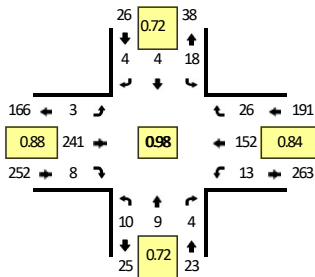
Start Time	Church St Southbound			Edwards Ferry Rd NE Westbound			Market St Northwestbound			Church St Northbound			Market St Eastbound				
	Right	Thru	Left to Market St	Right	Thru	Left to Market St	Right to Edwards Ferry Rd NE	Right to Church St	Left to Market St	Right to Market St	Thru	Left	Peds	Right to Market St	Thru	Left	Peds
04:00 PM	0	0	0	5	0	0	0	0	0	0	0	0	6	0	0	0	14
04:15 PM	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	2
04:30 PM	0	0	0	6	0	0	0	0	0	0	0	0	3	0	0	0	6
04:45 PM	0	0	0	2	1	0	0	0	0	0	0	0	7	0	0	0	7
05:00 PM	0	0	0	2	0	0	0	0	0	0	0	0	2	0	1	0	3
05:15 PM	0	0	0	2	0	0	0	0	0	0	0	0	6	0	0	0	7
05:30 PM	0	0	0	2	1	0	0	0	0	0	0	0	5	0	0	0	4
05:45 PM	0	0	0	5	0	0	0	0	0	0	0	0	9	0	0	0	4
06:00 PM	0	0	0	5	0	0	0	0	0	0	0	0	9	0	0	0	5
06:15 PM	0	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0	8
06:30 PM	0	1	0	8	0	0	0	0	0	0	0	0	16	0	0	0	15
06:45 PM	0	0	0	7	0	0	0	0	0	0	0	0	5	0	0	0	6
07:00 PM	0	0	0	2	0	0	0	0	0	0	0	0	9	0	0	0	6
07:15 PM	0	0	0	5	0	0	0	0	0	0	0	0	11	0	0	0	7
07:30 PM	0	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	3
07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	8
Total	0	1	0	57	2	3	0	0	2	0	3	0	102	0	2	1	105

282

LOCATION: Wirt St SW -- Loudoun St SW
CITY/STATE: Leesburg, VA

QC JOB #: 15463323
DATE: Fri, Oct 1 2021

Peak-Hour: 12:00 PM -- 1:00 PM
 Peak 15-Min: 12:00 PM -- 12:15 PM

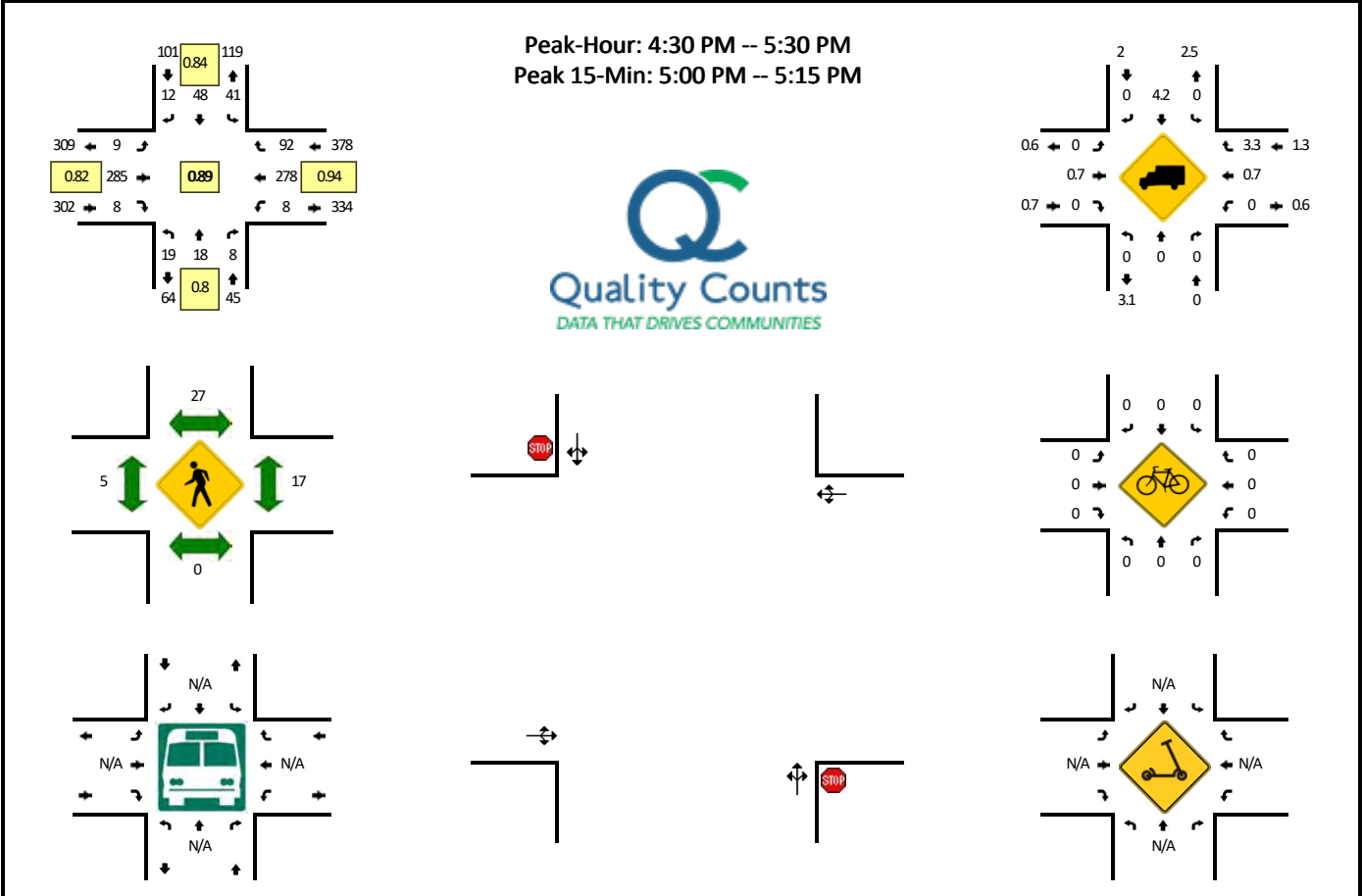


15-Min Count Period Beginning At	Wirt St SW (Northbound)				Wirt St SW (Southbound)				Loudoun St SW (Eastbound)				Loudoun St SW (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
11:00 AM	2	2	2	0	4	2	1	0	1	62	2	0	0	27	5	0	110	
11:15 AM	2	1	4	0	2	2	0	0	0	46	2	0	1	28	3	0	91	
11:30 AM	0	2	4	0	1	1	1	0	3	56	1	0	2	31	7	0	109	
11:45 AM	1	3	3	0	8	1	2	0	5	53	0	0	3	35	6	0	120	430
12:00 PM	1	3	0	0	7	1	1	0	0	63	2	0	8	30	10	0	126	446
12:15 PM	3	0	1	0	3	0	1	0	0	70	2	0	1	31	4	0	116	471
12:30 PM	3	3	2	0	3	3	0	0	1	57	2	0	3	44	3	0	124	486
12:45 PM	3	3	1	0	5	0	2	0	2	51	2	0	1	47	9	0	126	492
1:00 PM	0	3	2	0	4	0	1	0	2	60	0	0	3	31	2	0	108	474
1:15 PM	4	2	3	0	3	2	3	0	1	57	0	0	3	37	6	0	121	479
1:30 PM	5	1	0	0	1	4	0	0	1	51	0	0	4	45	11	0	123	478
1:45 PM	1	0	2	0	3	1	1	0	3	47	2	0	8	44	7	0	119	471
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	4	12	0	0	28	4	4	0	0	252	8	0	32	120	40	0	504	
Heavy Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	
Buses																		
Pedestrians		20				48				16				60			144	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Scoters																		

Comments:

LOCATION: Wirt St SW -- Loudoun St SW
CITY/STATE: Leesburg, VA

QC JOB #: 15463324
DATE: Fri, Oct 1 2021



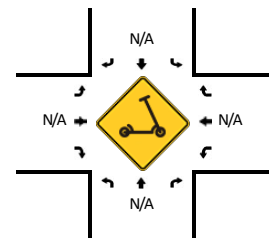
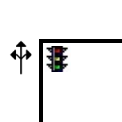
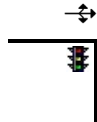
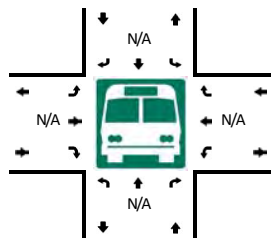
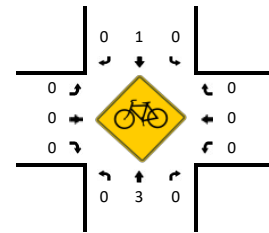
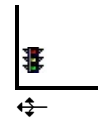
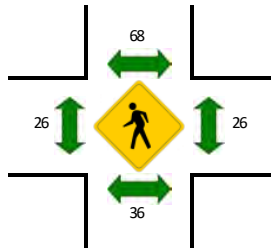
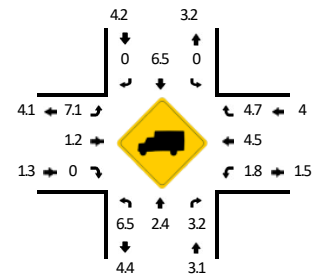
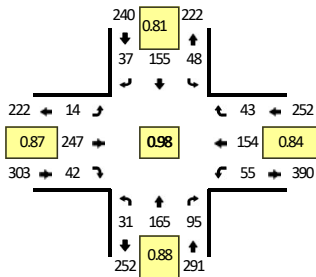
15-Min Count Period Beginning At	Wirt St SW (Northbound)				Wirt St SW (Southbound)				Loudoun St SW (Eastbound)				Loudoun St SW (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	3	2	0	0	6	9	3	0	3	57	2	0	4	78	21	0	188	
4:15 PM	3	4	3	0	9	9	2	0	2	58	1	0	2	72	24	0	189	
4:30 PM	6	5	3	0	12	13	2	0	4	62	2	0	3	71	20	0	203	
4:45 PM	2	4	1	0	5	10	1	0	1	71	1	0	0	58	31	0	185	765
5:00 PM	6	3	3	0	7	15	6	0	2	88	2	0	1	76	24	0	233	810
5:15 PM	5	6	1	0	17	10	3	0	2	64	3	0	4	73	17	0	205	826
5:30 PM	2	5	1	0	10	9	3	0	2	61	4	0	3	67	22	0	189	812
5:45 PM	3	4	3	0	13	8	5	0	3	61	1	0	7	45	17	0	170	797
6:00 PM	1	4	1	0	8	5	8	0	3	55	1	0	5	48	14	0	153	717
6:15 PM	2	3	2	0	6	10	3	0	4	67	7	0	5	49	35	0	193	705
6:30 PM	2	9	0	0	8	9	6	0	3	56	1	0	7	56	19	0	176	692
6:45 PM	1	6	2	0	13	7	6	0	5	58	1	0	12	61	19	0	191	713
7:00 PM	2	2	0	0	17	5	2	0	2	57	1	0	5	45	14	0	152	712
7:15 PM	0	5	0	0	7	5	3	0	1	51	1	0	6	41	19	0	139	658
7:30 PM	1	4	1	0	10	1	4	0	4	37	1	0	7	34	13	0	117	599
7:45 PM	0	1	0	0	1	4	1	0	1	27	2	0	1	36	18	0	92	500
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	24	12	12	0	28	60	24	0	8	352	8	0	4	304	96	0	932	
Heavy Trucks	0	0	0		0	4	0		0	0	0		0	4	0		8	
Buses																		
Pedestrians		0				52				8				20			80	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Scoters																		

Comments:

LOCATION: S King St -- Loudoun St
CITY/STATE: Leesburg, VA

QC JOB #: 15463325
DATE: Fri, Oct 1 2021

Peak-Hour: 12:00 PM -- 1:00 PM
 Peak 15-Min: 12:00 PM -- 12:15 PM

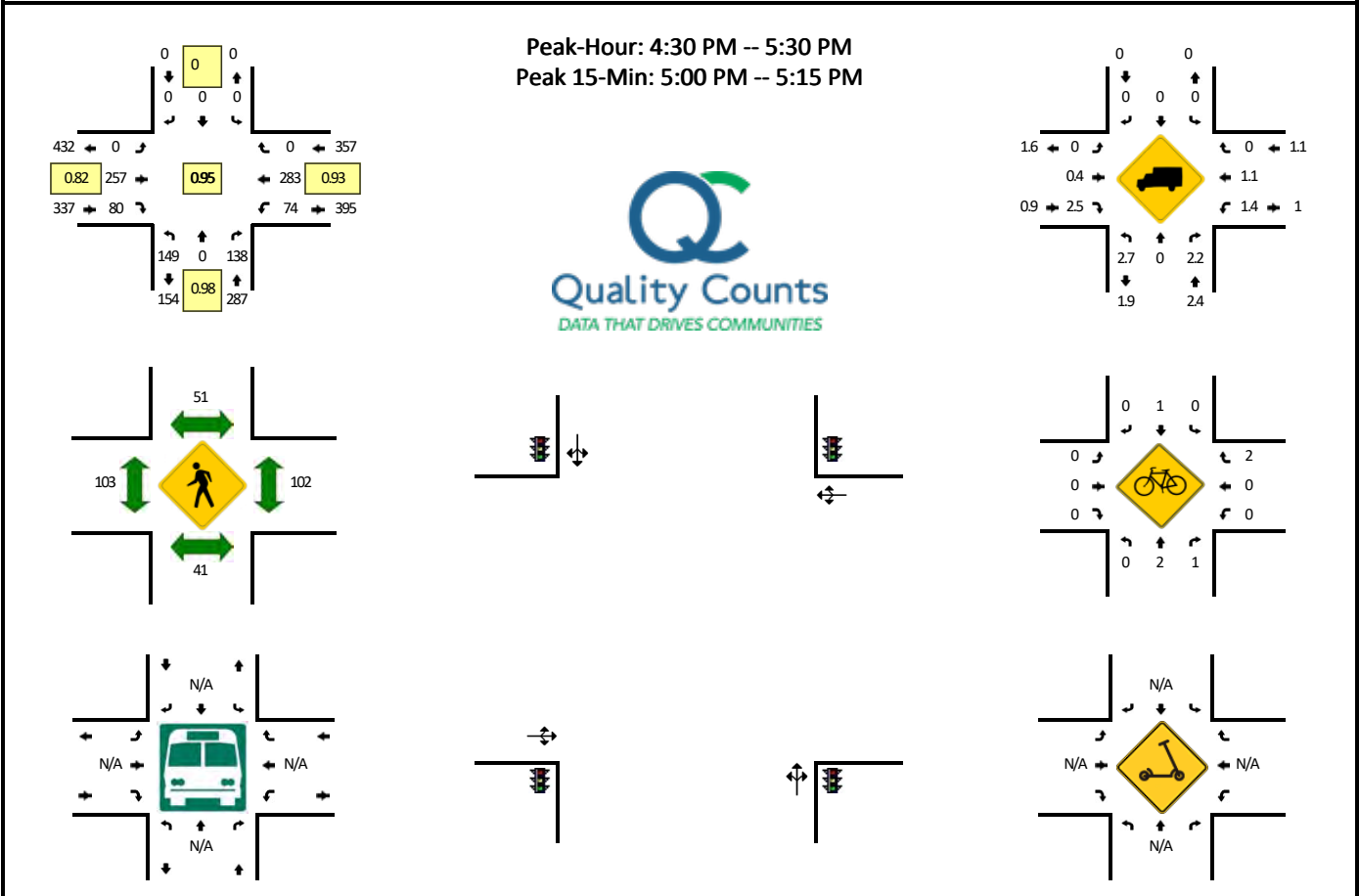


15-Min Count Period Beginning At	S King St (Northbound)				S King St (Southbound)				Loudoun St (Eastbound)				Loudoun St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
11:00 AM	5	36	17	0	10	33	5	0	5	51	14	0	15	30	7	0	228	
11:15 AM	5	44	14	0	6	33	1	0	6	44	4	0	11	31	5	0	204	
11:30 AM	14	31	25	0	7	36	7	0	3	45	10	0	14	41	8	0	241	
11:45 AM	11	47	13	0	11	40	6	0	4	50	13	0	14	42	11	0	262	935
12:00 PM	11	45	27	0	12	26	9	0	4	71	12	0	15	39	6	0	277	984
12:15 PM	7	46	24	0	10	43	3	0	6	66	8	0	14	32	6	0	265	1045
12:30 PM	8	34	27	0	14	48	12	0	3	53	8	0	11	44	10	0	272	1076
12:45 PM	5	40	17	0	12	38	13	0	1	57	14	0	15	39	21	0	272	1086
1:00 PM	6	52	19	0	17	42	6	0	2	58	10	0	15	30	15	0	272	1081
1:15 PM	8	54	16	0	6	47	8	0	4	47	12	0	13	37	4	0	256	1072
1:30 PM	6	45	25	0	11	31	10	0	9	44	13	0	13	47	21	0	275	1075
1:45 PM	4	35	21	0	4	48	11	0	5	53	8	0	20	53	14	0	276	1079
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	44	180	108	0	48	104	36	0	16	284	48	0	60	156	24	0	1108	
Heavy Trucks	0	0	4		0	8	0		0	4	0		0	4	0		20	
Buses																		
Pedestrians		56				80				24				12			172	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Scoters																	0	

Comments:

LOCATION: S King St -- Loudoun St
CITY/STATE: Leesburg, VA

QC JOB #: 15463326
DATE: Fri, Oct 1 2021



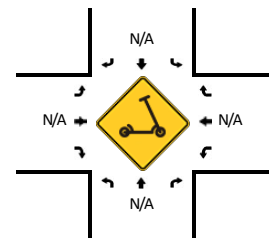
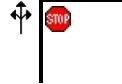
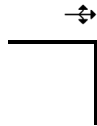
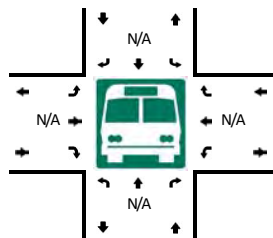
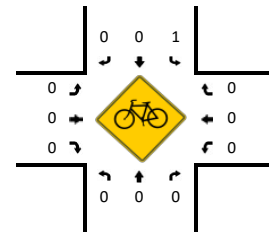
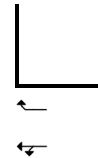
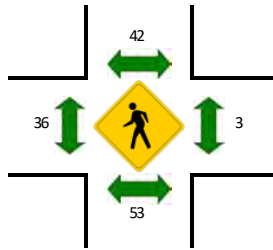
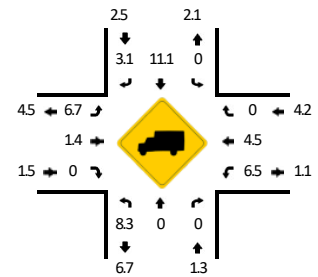
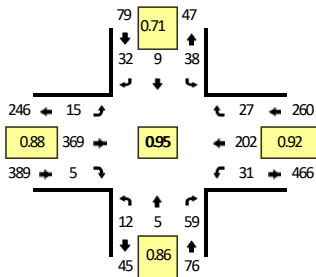
15-Min Count Period Beginning At	S King St (Northbound)				S King St (Southbound)				Loudoun St (Eastbound)				Loudoun St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	35	0	28	0	0	0	0	0	0	53	13	0	19	72	0	0	220	
4:15 PM	26	0	31	0	0	0	0	0	0	58	20	0	27	75	0	0	237	
4:30 PM	39	0	31	0	0	0	0	0	0	57	17	0	20	76	0	0	240	
4:45 PM	42	0	30	0	0	0	0	0	0	60	16	0	17	67	0	0	232	929
5:00 PM	32	0	41	0	0	0	0	0	0	82	21	0	14	69	0	0	259	968
5:15 PM	36	0	36	0	0	0	0	0	0	58	26	0	23	71	0	0	250	981
5:30 PM	27	0	29	0	0	0	0	0	0	51	28	0	16	72	0	0	223	964
5:45 PM	43	0	39	0	0	0	0	0	0	48	25	0	12	62	0	0	229	961
6:00 PM	32	0	41	0	0	0	0	0	0	58	13	0	14	60	0	0	218	920
6:15 PM	31	0	32	0	0	0	0	0	0	66	15	0	16	65	0	0	225	895
6:30 PM	35	0	29	0	0	0	0	0	0	55	11	0	15	66	0	0	211	883
6:45 PM	33	0	30	0	0	0	0	0	0	55	13	0	12	56	0	0	199	853
7:00 PM	20	0	26	0	0	0	0	0	0	70	13	0	10	46	0	0	185	820
7:15 PM	28	0	22	0	0	0	0	0	0	53	11	0	9	43	0	0	166	761
7:30 PM	18	0	19	0	0	0	0	0	0	39	8	0	14	43	0	0	141	691
7:45 PM	17	0	20	0	0	0	0	0	0	33	4	0	15	47	0	0	136	628
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	128	0	164	0	0	0	0	0	0	328	84	0	56	276	0	0	1036	
Heavy Trucks	4	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	8	
Buses																		
Pedestrians		36				68				136				96			336	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Scooters																		

Comments:

LOCATION: Church St SE -- Loudoun St SE
CITY/STATE: Leesburg, VA

QC JOB #: 15463327
DATE: Fri, Oct 1 2021

Peak-Hour: 12:00 PM -- 1:00 PM
 Peak 15-Min: 12:30 PM -- 12:45 PM

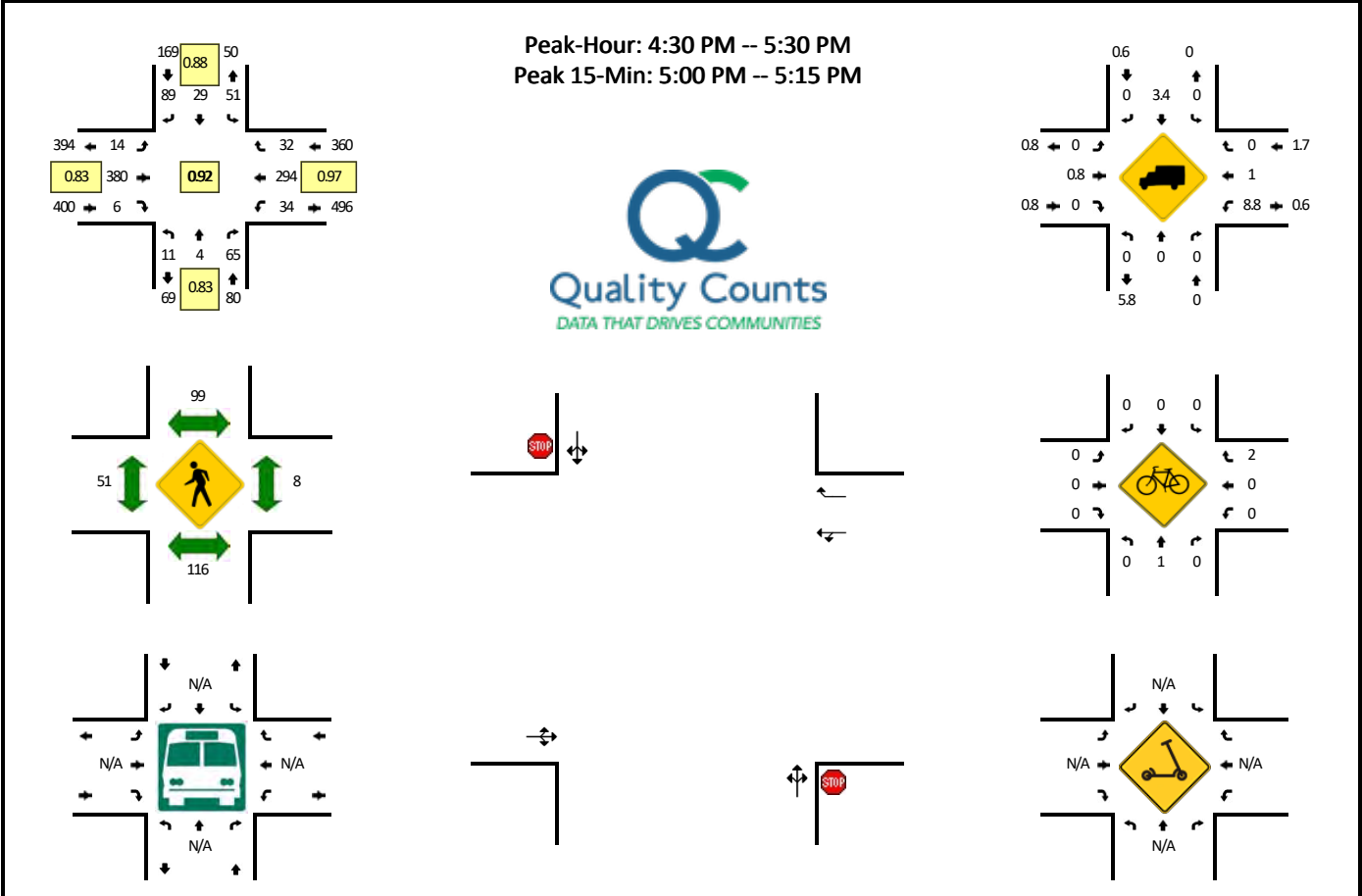


15-Min Count Period Beginning At	Church St SE (Northbound)				Church St SE (Southbound)				Loudoun St SE (Eastbound)				Loudoun St SE (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
11:00 AM	1	0	7	0	6	0	3	0	2	73	2	0	4	46	1	0	145	
11:15 AM	5	1	14	0	5	1	3	0	1	60	1	0	3	36	1	0	131	
11:30 AM	2	0	7	0	7	1	7	0	1	72	3	0	10	58	2	0	170	
11:45 AM	3	1	13	0	17	1	8	0	3	69	2	0	5	58	5	0	185	631
12:00 PM	3	1	12	0	7	2	7	0	4	105	1	0	8	51	7	0	208	694
12:15 PM	4	1	17	0	7	2	8	0	6	94	1	0	7	42	4	0	193	756
12:30 PM	2	1	16	0	18	2	8	0	4	90	0	0	4	55	11	0	211	797
12:45 PM	3	2	14	0	6	3	9	0	1	80	3	0	12	54	5	0	192	804
1:00 PM	3	3	16	0	12	1	7	0	1	89	1	0	8	47	5	0	193	789
1:15 PM	0	1	12	0	11	0	6	0	1	63	0	0	11	55	1	1	162	758
1:30 PM	7	2	15	0	16	0	7	0	4	72	1	0	9	69	1	0	203	750
1:45 PM	6	0	7	0	17	1	14	0	1	81	1	0	8	59	4	0	199	757
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	8	4	64	0	72	8	32	0	16	360	0	0	16	220	44	0	844	
Heavy Trucks	0	0	0		0	0	0		0	12	0	0	0	12	0		24	
Buses																		
Pedestrians		52				60				32				8			152	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Scoters																	0	

Comments:

LOCATION: Church St SE -- Loudoun St SE
CITY/STATE: Leesburg, VA

QC JOB #: 15463328
DATE: Fri, Oct 1 2021



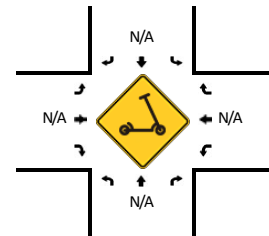
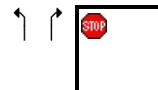
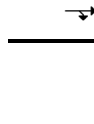
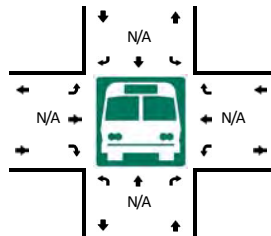
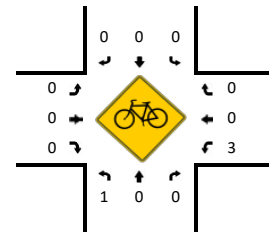
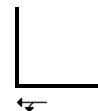
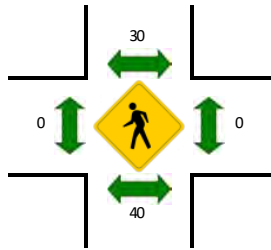
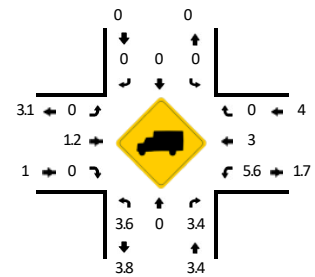
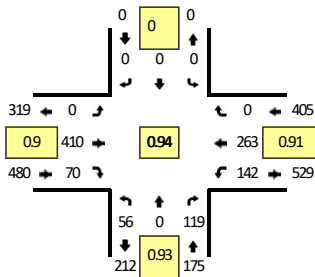
15-Min Count Period Beginning At	Church St SE (Northbound)				Church St SE (Southbound)				Loudoun St SE (Eastbound)				Loudoun St SE (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	2	0	4	0	9	3	20	0	3	81	2	0	11	74	3	0	212	
4:15 PM	2	2	12	0	6	1	17	0	2	84	2	0	4	85	2	0	219	
4:30 PM	4	1	10	0	10	9	21	0	4	85	1	0	11	76	6	0	238	
4:45 PM	4	1	13	0	16	5	14	0	5	83	1	0	5	76	9	0	232	901
5:00 PM	2	1	20	0	12	8	26	0	3	115	3	0	7	69	9	0	275	964
5:15 PM	1	1	22	0	13	7	28	0	2	97	1	0	11	73	8	0	264	1009
5:30 PM	3	4	19	0	16	3	9	0	2	84	3	0	2	65	2	0	212	983
5:45 PM	3	3	17	0	16	8	19	0	3	81	0	0	5	60	8	0	223	974
6:00 PM	3	3	19	0	20	5	15	0	9	89	4	0	6	59	5	0	237	936
6:15 PM	2	3	20	0	16	7	14	0	4	86	2	0	5	70	11	0	240	912
6:30 PM	2	5	18	0	17	7	22	0	2	75	5	0	4	60	14	0	231	931
6:45 PM	3	2	23	0	26	4	9	0	6	78	2	0	7	56	6	0	222	930
7:00 PM	2	2	12	0	20	2	4	0	3	91	2	0	3	40	5	0	186	879
7:15 PM	4	1	14	0	21	4	11	0	3	76	1	0	4	48	10	0	197	836
7:30 PM	1	1	12	0	17	4	17	0	3	52	1	0	4	43	4	0	159	764
7:45 PM	2	1	14	0	22	2	9	0	3	54	0	0	2	45	4	0	158	700
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	8	4	80	0	48	32	104	0	12	460	12	0	28	276	36	0	1100	
Heavy Trucks	0	0	0		0	0	0		0	4	0		0	4	0		8	
Buses																		
Pedestrians		124				152				76				4			356	
Bicycles	0	4	0		0	0	0		0	0	0		0	0	0		4	
Scooters																		

Comments:

LOCATION: Harrison St SE -- Loudoun St SE
CITY/STATE: Leesburg, VA

QC JOB #: 15463329
DATE: Fri, Oct 1 2021

Peak-Hour: 12:00 PM -- 1:00 PM
 Peak 15-Min: 12:00 PM -- 12:15 PM

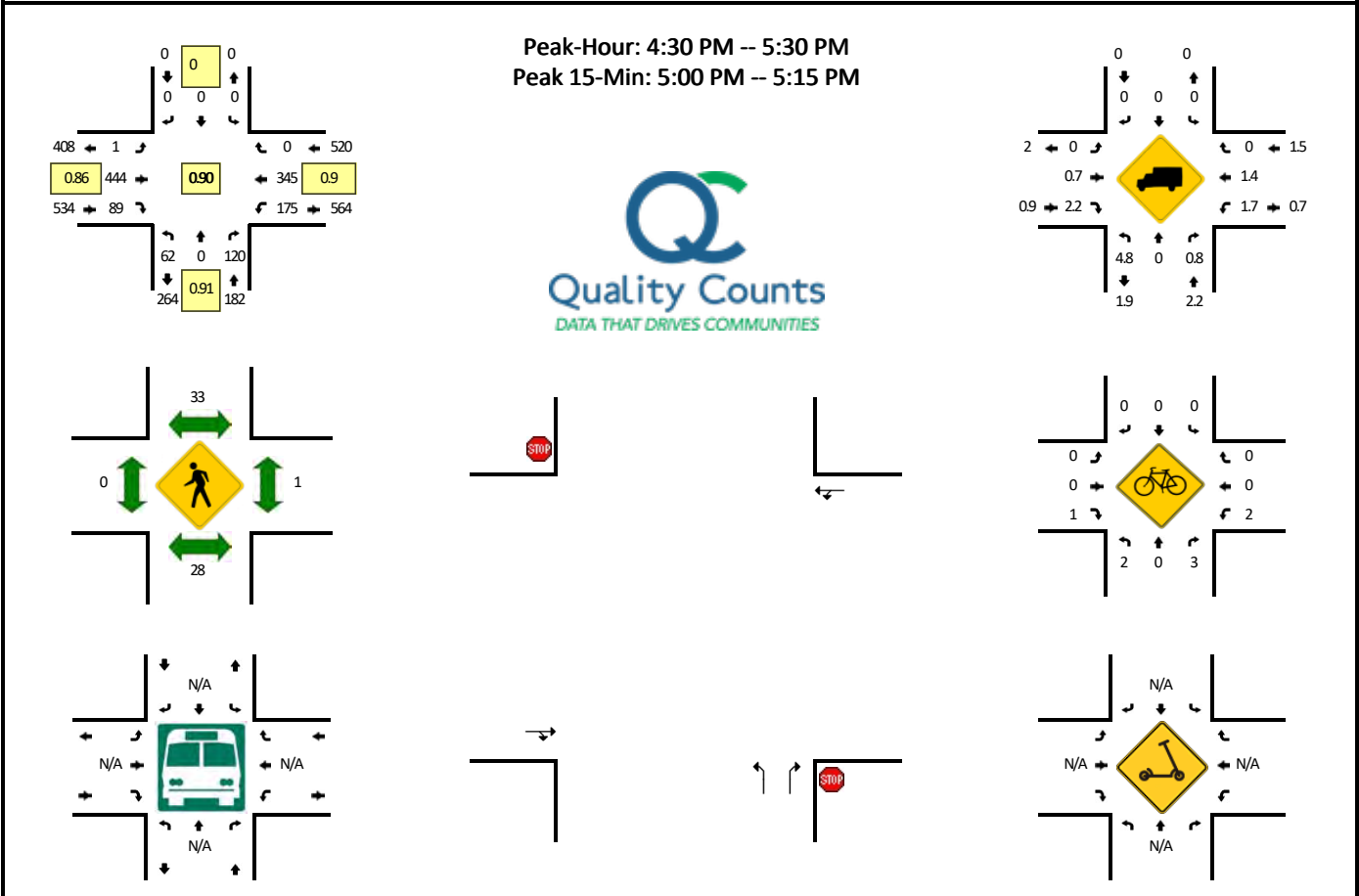


15-Min Count Period Beginning At	Harrison St SE (Northbound)				Harrison St SE (Southbound)				Loudoun St SE (Eastbound)				Loudoun St SE (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
11:00 AM	7	0	17	0	0	0	0	0	0	78	9	0	15	53	0	0	179	
11:15 AM	9	0	13	0	0	0	0	0	0	70	12	0	19	41	0	0	164	
11:30 AM	10	0	24	0	0	0	0	0	0	82	8	0	20	73	0	0	217	
11:45 AM	14	0	25	0	0	0	0	0	0	82	19	0	23	74	0	0	237	797
12:00 PM	11	0	32	0	0	0	0	0	0	110	24	0	43	63	0	0	283	901
12:15 PM	13	0	29	0	0	0	0	0	0	104	13	0	33	59	0	0	251	988
12:30 PM	15	0	28	0	0	0	0	0	0	103	19	0	36	60	0	0	261	1032
12:45 PM	17	0	30	0	0	0	0	0	0	93	14	0	30	81	0	0	265	1060
1:00 PM	13	0	25	0	0	0	0	0	0	92	30	0	31	64	0	0	255	1032
1:15 PM	16	0	43	0	0	0	0	0	0	74	12	0	24	67	0	0	236	1017
1:30 PM	10	0	24	0	0	0	0	0	0	88	15	0	25	81	0	0	243	999
1:45 PM	8	0	40	0	0	0	0	0	0	92	18	0	21	75	0	0	254	988
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	44	0	128	0	0	0	0	0	0	440	96	0	172	252	0	0	1132	
Heavy Trucks	0	0	4	0	0	0	0	0	0	0	0	0	12	12	0	0	28	
Buses																		
Pedestrians		48				44				0				0			92	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Scoters																		

Comments:

LOCATION: Harrison St SE -- Loudoun St SE
CITY/STATE: Leesburg, VA

QC JOB #: 15463330
DATE: Fri, Oct 1 2021



15-Min Count Period Beginning At	Harrison St SE (Northbound)				Harrison St SE (Southbound)				Loudoun St SE (Eastbound)				Loudoun St SE (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	8	0	24	0	0	0	0	0	0	94	16	0	27	88	0	0	257	
4:15 PM	15	0	22	0	0	0	0	0	0	100	9	0	30	91	0	0	267	
4:30 PM	14	0	27	0	0	0	0	0	0	103	16	0	36	84	0	0	280	
4:45 PM	16	0	34	0	0	0	0	0	0	90	17	0	44	94	0	0	295	1099
5:00 PM	14	0	31	0	0	0	0	0	0	128	25	0	51	94	0	0	343	1185
5:15 PM	18	0	28	0	0	0	0	0	0	123	31	1	44	73	0	0	318	1236
5:30 PM	16	0	30	0	0	0	0	0	0	92	17	0	39	83	0	0	277	1233
5:45 PM	21	0	22	0	0	0	0	0	0	80	19	0	41	81	0	1	265	1203
6:00 PM	10	0	32	0	0	0	0	0	0	96	18	0	56	75	0	0	287	1147
6:15 PM	20	0	39	0	0	0	0	0	0	77	20	0	55	89	0	0	300	1129
6:30 PM	24	0	31	0	0	0	0	0	0	86	17	0	52	88	0	0	298	1150
6:45 PM	16	0	24	0	0	0	0	0	0	83	20	0	34	71	0	0	248	1133
7:00 PM	9	0	37	0	0	0	0	0	0	104	16	0	42	56	0	1	265	1111
7:15 PM	5	0	36	0	0	0	0	0	0	89	12	0	27	67	0	0	236	1047
7:30 PM	9	0	17	0	0	0	0	0	0	60	14	0	17	51	0	0	168	917
7:45 PM	8	0	19	0	0	0	0	0	0	75	19	0	20	57	0	0	198	867
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	56	0	124	0	0	0	0	0	0	512	100	0	204	376	0	0	1372	
Heavy Trucks	4	0	0		0	0	0		0	8	4		0	4	0		20	
Buses																		
Pedestrians		12				28				0				4			44	
Bicycles	0	0	4		0	0	0		0	0	0		8	0	0		12	
Scoters																		

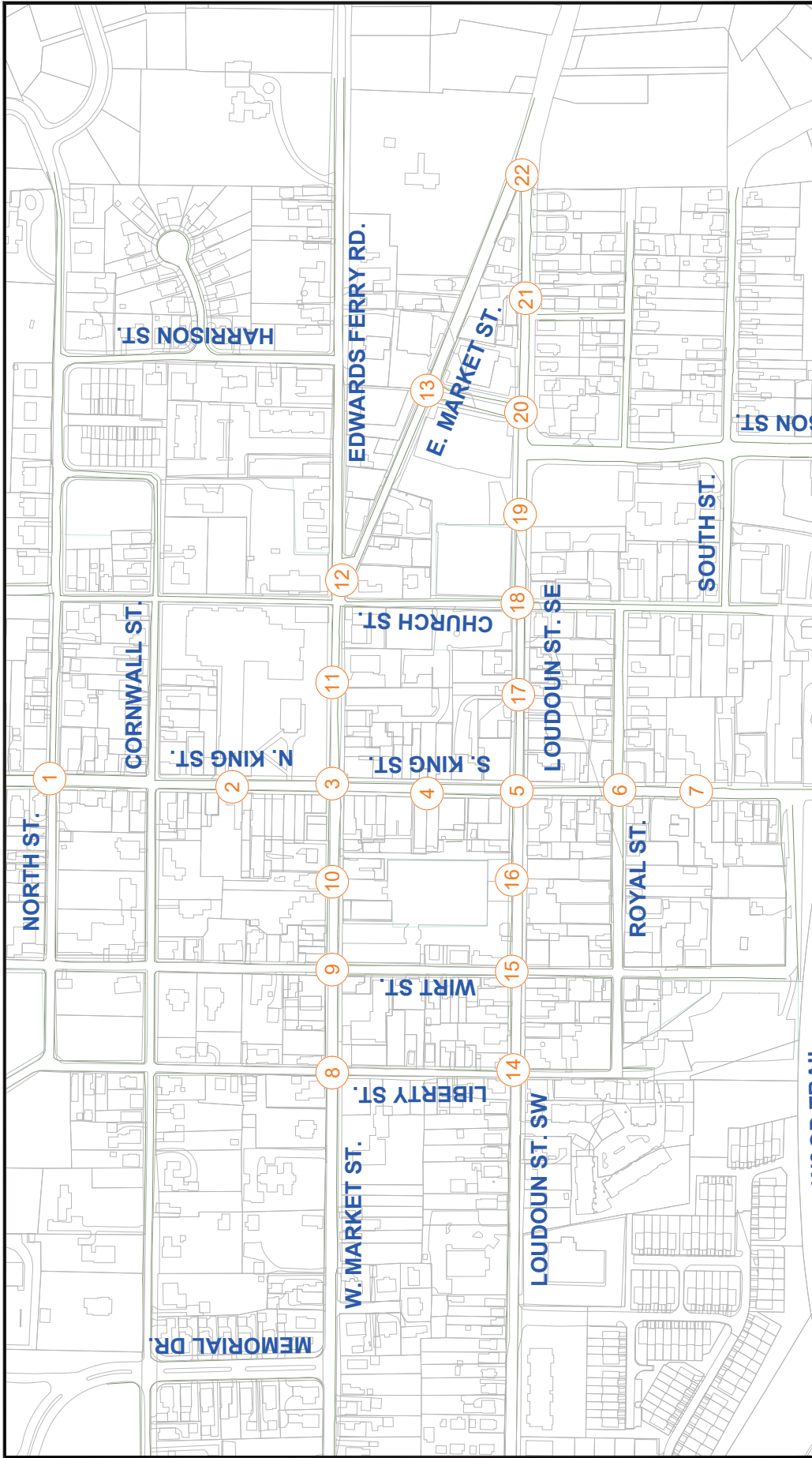
Comments:

APPENDIX C DOWNTOWN COLLISION DATA



C-1

Date	Time	Officer	Location	Vehicle	Plate	Color	Make/Model	Year	Damage	Property	Address	City	State	Zip	Case No.
8/2/2025	2:20 PM	4. S. S. S. S.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
9/1/2025	17:45 H	9. F. A. D. O. C. E. R.	4. S. S. S. S.	4. Roadside	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
9/1/2025	8:06 H	9. F. A. D. O. C. E. R.	4. S. S. S. S.	4. Roadside	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
9/2/2025	18:45 H	2. A. G. P.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
11/27/2025	21:55 H	3. H. A. D. O. N.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
11/29/2025	21:10 PM	4. S. S. S. S.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
12/1/2025	17:05 H	4. S. S. S. S.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
12/1/2025	18:05 PM	3. R. E. A. R. E. F.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
12/7/2025	20:54 PM	9. F. A. D. O. C. E. R.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
12/7/2025	10:27 PM	2. A. G. P.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
12/27/2025	18:16 H	3. R. E. A. R. E. F.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
12/27/2025	10:17 PM	2. A. G. P.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
12/27/2025	11:16 H	2. A. G. P.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
12/27/2025	21:37 PM	9. F. A. D. O. C. E. R.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
6/9/2025	10:20 PM	3. R. E. A. R. E. F.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
7/27/2025	21:46 H	3. H. A. D. O. N.	4. S. S. S. S.	1. On Roadway	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No
7/27/2025	8:10 H	9. F. A. D. O. C. E. R.	4. S. S. S. S.	4. Roadside	2. No Injury (O)	3. No Injury (O)	4. No Injury (O)	5. No Injury (O)	6. No Injury (O)	7. No Injury (O)	8. No Injury (O)	9. No Injury (O)	10. No Injury (O)	11. No Injury (O)	12. No



L:\PROJECTS\2001 - 7500\7333 - DOWNTOWN LEESBURG SPEED STUDY\GRAPHICS\LEESBURG SPEED STUDY LIMITS (ROTATED COORDINATES).DWG



Figure C.1
Downtown Collision Locations

Vehicular Collision Location

NORTH
Leesburg Speed Study
Town of Leesburg, VA



DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS
 July 1, 2014 to September 3, 2017 (last available data)

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Ped Fatality Count	Non Ped Fatality Count	Ped Injury Cnt	Non Ped Injury Count	Work Zone Related
1	7/2/2014	21:00	Wed	16. Other	VEHICLE 1 WAS TRAVELING NORTH ON NORTH KING STREET. AS VEHICLE 1 WENT THROUGH THE INTERSECTION OF NORTH STREET IT HIT A SLIGHT DIP IN THE ROAD CAUSING THE TRAILER TO BECOME DISCONNECTED FROM THE VEHICLE. THE TRAILER THEN STRUCK THE REAR OF VEHICLE 1. (OTHER TYPE OF COLLISION) COLLISION WITH VEHICLE IN TOW.	10. Other	1. On Roadway	No Injury (O)	NORTH STREET NE	39.11742	-77.56362	NORTH KING STREET	property damage crash	0	0	0	0	0.2. No
1	8/15/2014	13:06	Fri	2. Angle	VEHICLE 1 WAS EASTBOUND ON NORTH STREET. VEHICLE 2 WAS WESTBOUND ON NORTH ST AT INTERSECTION. VEHICLE 2 STOPPED THEN TURNED SOUTH ON TO NORTH KING STREET. VEHICLE 1 STOPPED THEN PROCEEDED EAST ON NORTH STREET. VEHICLE 2 STRUCK VEHICLE 1 IN THE MIDDLE OF THE INTERSECTION	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	NORTH ST	39.11731	-77.56369	NORTH KINGS ST	property damage crash	0	0	0	0	0.2. No
1	7/7/2015	12:40	Tue	2. Angle	VEHICLE 1 WENT TO MAKE A LEFT HAND TURN FROM NORTH ST. NE ONTO NORTH KING ST. WHEN HE STRUCK VEHICLE 2 THAT WAS HEADED NORTH ON NORTH KING ST. VEHICLE 1 DID NOT HAVE THE RIGHT OF WAY AND HAD VEHICLES BLOCKING HIS VIEW OF VEHICLE 2. VEHICLE 1 SUSTAINED APPROXIMATELY \$2000 WORTH OF DAMAGE TO THE FRONT END. VEHICLE 2 SUSTAINED APPROXIMATELY \$3000 WORTH OF DAMAGE TO THE FRONT END OF THE VEHICLE. BOTH THE DRIVER OF VEHICLE 2 AND THE PASSENGER WERE TRANSPORTED TO THE HOSPITAL. THE DRIVER OF VEHICLE 2 HAD MINOR BURNS ON HER ARM FROM THE AIR BAG DEPLOYMENT. THE PASSENGER ADVISED THAT HIS RIGHT FOOT WAS HURTING HIM. BOTH VEHICLES WERE TOWED BY ROAD RUNNER TOWING COMPANY. THE DRIVER OF VEHICLE 1 WAS ISSUED A CITATION FOR LEFT TURN TO YIELD TO RIGHT OF WAY(46.2-825).	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitating Injury (B)	NORTH ST NE	39.11727	-77.56369	N. KING ST.	injury crash	0	0	0	0	0.2. No
1	9/29/2015	18:40	Tue	2. Angle	VEHICLE 1 WAS TRAVELING WEST ON NORTH STREET AND WAS ATTEMPTING A LEFT TURN AT THE INTERSECTION OF NORTH STREET AND KING STREET. VEHICLE 2 WAS TRAVELING NORTH ON KING STREET. VEHICLE 1 DISREGARD THE RIGHT OF WAY AND STRUCK VEHICLE 2 IN AN ANGLE TYPE COLLISION	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	NORTH STREET	39.1173	-77.56365	KING STREET	property damage crash	0	0	0	0	0.2. No
1	11/19/2015	13:04	Thu	2. Angle	VEHICLE # 2 WAS TRAVELING NORTH BOUND ON N KING ST. THE DRIVER OF VEHICLE # 1 WAS ATTEMPTING TO GO FROM NORTH ST NW TO NORTH ST NE. THE DRIVER OF VEHICLE # 1 DID NOT SEE VEHICLE # 2 AND PULLED INTO ITS PATH. V1 WAS STOPPED AT THE STOP SIGN ON NORTH STREET NW TO GO ACROSS NORTH KING STREET. THERE WERE MANY CARS ON NORTH KING STREET HEADING SOUTH THAT WERE BACKED UP DUE TO THE EAST MARKET STREET LIGHT. V1 WAS HONKING TO GET VEHICLES TO MOVE SO HE COULD CROSS. V1 THEN BEGAN TO CROSS NORTH KING STREET AND WAS HIT BY V2. V2 WAS DRIVING NORTH ON NORTH KING STREET.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	NORTH ST NE	39.11727	-77.56367	N KING ST	property damage crash	0	0	0	0	0.2. No
1	2/20/2016	18:34	Sat	2. Angle	VEHICLE # 2 WAS TRAVELING SOUTH ON N KING ST. THE DRIVER OF VEHICLE # 1 WAS ATTEMPTING TO MAKE A LEFT HAND TURN FROM NORTH ST NE ONTO SOUTH BOUND N KING ST. THE DRIVER OF VEHICLE # 1 DID NOT SEE VEHICLE # 2, AND STRUCK THE DRIVERS SIDE DOOR AREA.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	NORTH ST NE	39.11729	-77.56371	N KING ST	property damage crash	0	0	0	0	0.2. No
1	3/9/2016	17:33	Wed	2. Angle	V2 WAS TRAVELING NORTH BOUND ON N. KING ST. WHILE IN TRAFFIC. V1 WAS AT THE INTERSECTION OF NORTH ST NW AND N. KING ST AT A STOP SIGN ATTEMPTING TO MAKE A LEFT HANDED TURN TO GO NORTH BOUND ON N.KING ST. DURING THIS TIME V2 HAD THE RIGHT OF WAY ON THE ROADWAY. DRIVER OF V1 STATED THAT SHE WAS WAVED ON BY ANOTHER VEHICLE TO ENTER THE NORTH BOUND LANE ON N. KING ST. WHILE DOING SO DRIVER OF V1 DID NOT SEE V2 AND HIT V2. DRIVER OF V2 STATED THAT HE DID NOT SEE V1 UNTIL THE DRIVER OF V1 HIT HIS VEHICLE.	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitating Injury (B)	NORTH ST NW	39.1173	-77.56366	N.KING ST	injury crash	0	0	0	0	1.2. No
1	4/2/2016	11:50	Sat	2. Angle	V1 HAD STOPPED AT THE STOP SIGN AT THE INTERSECTION OF NORTH ST AND NORTH KING ST. WHILE PULLING NORTH BOUND OFF OF NORTH ST NW ONTO NORTH KING ST V1 STRUCK THE FRONT DRIVERSIDE CORNER OF V2.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	NORTH ST NW	39.11726	-77.56368	NORTH KING ST	property damage crash	0	0	0	0	0.2. No

DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS cont'd.

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Pedestri an Fatality Count	Non Pedestri an Injury Cnt	Pedestri an Injury Cnt	Non Pedestri an Injury Count	Work Zone Related			
1	7/15/2016	17:27	Fri	2. Angle	VEHICLE 1 WAS CROSSING NORTH KING ST IN AN EASTBOUND DIRECTION. VEHICLE 2 WAS NORTHBOUND ON NORTH KING ST. AS VEHICLE 1 PROCEEDED EASTBOUND FROM THE STOP SIGN ON NORTH ST NW, OVER NORTH KING ST AND ON TO NORTH ST NE, VEHICLE 2 COLLIDED WITH VEHICLE 1. THE DRIVER OF VEHICLE 1 STATED THAT HE HAD STOPPED AT THE STOP SIGN BUT DID NOT SEE VEHICLE 2 AS HE STARTED FROM THE STOP SIGN. NO INJURIES RESULTED. THE DRIVER OF VEHICLE 1 WAS ADVISED THAT HE IS AT FAULT, FOR FAIL TO YIELD THE RIGHT OF WAY TO VEHICLE 2. HE AGREED AND STATED THAT HE MERELY COULD NOT SEE VEHICLE 2 DUE TO THE SUN.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	NORTH ST NW	39.11729	-77.56368	NORTH KING ST	property damage crash	0	0	0	0	0	0	2. No	
1	9/26/2016	15:32	Mon	2. Angle	THE DRIVER OF VEHICLE # 1 WAS AT THE STOP SIGN ON NORTH ST NW, AND WAS ATTEMPTING TO GO STRAIGHT ONTO NORTH ST NE. THE DRIVER OF VEHICLE # 2 WAS TRAVELING NORTH BOUND ON N KING ST. THE DRIVER OF VEHICLE # 1 PULLED INTO THE INTERSECTION IN FRONT OF VEHICLE # 2, CAUSING VEHICLE # 2 TO STRIKE THE PASSENGER SIDE AREA. AFTER VEHICLE # 1 & # 2 MADE CONTACT, THEY BOTH CONTINUED, STRIKING VEHICLE # 3 WHICH WAS STOPPED ON NORTH ST NE. A PASSENGER IN VEHICLE # 2 WAS TRANSPORTED FOR POSSIBLE INJURIES WHICH WERE NOT BELIEVED TO BE LIFE THREATENING.	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitati ng Injury (B)	NORTH ST NE	39.11728	-77.56367	N KING ST	injury crash	0	0	0	0	0	0	1.2. No	
1	3/11/2017	17:20	Sat	2. Angle	VEHICLE 1 WAS ATTEMPTING TO CROSS NORTH KING STREET, TO CONTINUE EASTBOUND ON NORTH STREET. DRIVER 1 STATED THAT HE COULD NOT SEE AROUND THE BUILDING TO HIS RIGHT, SO HE PULLED IN TO THE INTERSECTION TO GET A BETTER VIEW OF THE ROAD. VEHICLE 2 WAS TRAVELING NORTHBOUND ON NORTH KING ST AND COLLIDED WITH VEHICLE 1.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	NORTH ST NW	39.11728	-77.56367	NORTH KING ST	property damage crash	0	0	0	0	0	0	0	
1	5/11/2017	17:56	Thu	2. Angle	V1 WAS STOPPED AT THE INTERSECTION OF NORTH AND KING. V2 WAS TRAVELING NORTH ON KING ST. WHEN V1 PULLED OUT IN FRONT OF HER LANE OF TRAVEL, CAUSING V2 TO STRIKE V1 IN THE DRIVERS SIDE. AFTER BEING STRUCK V1 WAS PUSHED AROUND THE INTERSECTION STRIKING V3 ON THE FRONT QUARTER PANEL.	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitati ng Injury (B)	NORTH ST	39.11729	-77.56365	KING ST	injury crash	0	0	0	0	0	0	1.2. No	
1	6/22/2017	15:12	Thu	2. Angle	VEHICLE 1 STOPPED AT THE STOP SIGN AT NORTH STREET NW / NORTH KING STREET HEADING EAST. VEHICLE 2 WAS TRAVELING NORTH ON NORTH KING STREET. VEHICLE 1 PROCEEDED TO CROSS OVER NORTH KING STREET TO CONTINUE EAST ON NORTH STREET NE AND STRUCK VEHICLE 2 CAUSING AN ANGLE COLLISION.	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitati ng Injury (B)	NORTH STREET NE	39.11727	-77.56367	NORTH KING STREET	injury crash	0	0	0	0	0	0	1.2. No	
1	6/29/2017	22:27	Thu	2. Angle	THE DRIVER OF VEHICLE # 2 WAS TRAVELING NORTH BOUND ON N KING ST. THE DRIVER OF VEHICLE # 1 WAS MAKING A LEFT HAND TURN FROM NORTH ST NW ONTO NORTH BOUND N KINGS ST. THE DRIVER OF VEHICLE # 1 SAID THAT SHE DID NOT SEE VEHICLE # 2 APPROACHING AND PULLED INTO ITS PATH, WHICH RESULTED IN VEHICLE # 2 STRIKING THE RIGHT FRONT AREA OF VEHICLE # 1, EVEN AFTER TAKING EVASIVE ACTION.	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitati ng Injury (B)	NORTH ST NE	39.11729	-77.56366	N KING ST	injury crash	0	0	0	0	0	0	2.2. No	
1	8/15/2017	13:25	Tue	2. Angle	DRIVER #1 WAS STOPPED AT A STOP SIGN ON NORTH STREET. DRIVER #2 WAS TRAVELING NORTH ON NORTH KING STREET. DRIVER #1 THEN TRIED TO CROSS THE ROAD AND WAS STRUCK BY DRIVER #2 IN AN ANGLE COLLISION. DRIVER #1 WAS CHARGED WITH FAIL TO YIELD THE RIGHT OF WAY FROM A STOP SIGN.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	NORTH KING STREET	39.11727	-77.56366	NORTH KING STREET	property damage crash	0	0	0	0	0	0	0	
1	4/28/2017	11:35	Fri	4. Sideswipe - Same Direction	VEHICLE 1 WAS TRAVELING NORTH ON N. KING ST. APPROACHING NORTH ST. VEHICLE 1 SIGNALLED TO TURN LEFT ON NORTH STREET. VEHICLE 2 WAS BEHIND VEHICLE 1 TRAVELING NORTHBOUND ON N. KING ST. VEHICLE 2 PASSED VEHICLE 1 ON RIGHTSIDE WHILE VEHICLE 1 WAS STOPPED AND SIGNALING FOR LEFT TURN. VEHICLE 1 DECIDED TO NOT TURN LEFT ON NORTH ST. AND STARTED NORTHBOUND ON N. KING ST. WITHOUT CHECKING THE ROADWAY WAS CLEAR OF TRAFFIC. VEHICLE 1 MADE IMPACT WITH VEHICLE 2. BOTH VEHICLES PARKED IN FRONT OF 204 N. KING ST.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	NORTH STREET	39.11727	-77.56367	NORTH KING STREET	property damage crash	0	0	0	0	0	0	0	0

DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS cont'd.

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Pedestri an Fatality Count	Non Pedestri an Fatality	Pedestri an Injury Cnt	Non Pedestri an Injury Count	Work Zone Related
2	8/11/2016	12:34	Thu	4. Sideswipe - Same Direction	VEHICLE #2 WAS PARKED ON NORTH KING ST. ADJACENT TO THE CURB (SOUTHBOUND LANES) FACING SOUTH. VEHICLE #2 WAS UNOCCUPIED. DRIVER #1 WAS DRIVING ON NORTH KING STREET, SOUTHBOUND. DRIVER #1 WAS ATTEMPTING TO TURN VEHICLE #1 ONTO A PRIVATE DRIVEWAY THAT INTERSECTED WITH NORTH KING ST. BETWEEN 23 NORTH KING AND 21 NORTH KING ST. DRIVER #1 CUT HER TURN TOO TIGHT AND GRAZED VEHICLE #2.	6. Parked Vehicle	1. On Roadway	No Injury (O)	MARKET STREET	39.11634	-77.56417	NORTH KING ST	property damage crash	0	0	0	0	0.2. No
					VEHICLE 1 WAS PARKED ALONG NORTH KING ST, IN FRONT OF 29 NORTH KING ST. VEHICLE 2 HAD JUST MADE A LEFT TURN FROM CORNWALL ST NE ON TO NORTH KING ST TO GO SOUTHBOUND. DRIVER 1 STATED THAT SHE HAD HER LEFT TURN SIGNAL ON TO EXIT THE PARKING SPACE ALONG NORTH KING ST. TO GO SOUTHBOUND. DRIVER 1 STATED THAT AS SHE PULLED OUT OF THE SPACE HER VEHICLE AND VEHICLE 2 COLLIDED. DRIVER 1 STATED THAT SHE DID NOT SEE VEHICLE 2 UNTIL IT WAS IN FRONT OF HER. DRIVER 2 INDICATED THAT SHE HAD ALREADY MADE THE TURN AND ESTABLISHED HER POSITION IN THE DRIVING LANE WHEN VEHICLE 1 PULLED OUT OF THE SPACE IN TO HER VEHICLE. DRIVER 2 THEN POINTED OUT THE FACT THAT THE DAMAGE TO HER VEHICLE DID NOT START AT THE FRONT BUMPER OF HER VEHICLE BUT INSTEAD STARTED BACK NEAR THE WHEEL. SHE STATED THAT SHE FELT THAT IF IT WERE HER FAULT THE DAMAGE WOULD HAVE BEEN ON THE FRONT OF HER BUMPER. VEHICLE 1 DID HAVE DAMAGE TO THE FRONT PORTION OF HER BUMPER AND THE BUMPER APPEARED TO HAVE BEEN PUSHED BACKWARDS, NOT FORWARDS.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	CORNWALL ST NW	39.11656	-77.56405	NORTH KING ST	property damage crash	0	0	0	0	0.2. No
2	8/22/2016	11:18	Mon	4. Sideswipe - Same Direction	VEH# 1 WAS ATTEMPTING TO MAKE A RIGHT TURN FROM EAST MARKET STREET ONTO NORTH KING STREET. AS VEH# 1 WAS COMING OUT OF HER TURN, THE VEHICLE RAN OFF THE ROAD TO THE RIGHT. VEH# 1 CONTINUED ONTO THE SIDEWALK, THROUGH THE FENCE AND INTO A TREE. **DRIVER #1 WAS VERY INEXPERIENCED AND PANICKED AS SHE ATTEMPTED A TIGHT TURN.	2. Trees	2. Shoulder	No Injury (O)	WEST MARKET STREET	39.11563	-77.56438	KING STREET	property damage crash	0	0	0	0	0.2. No
3	1/28/2015	10:21	Wed	1. Rear End	VEHICLE # 2 AND # 1 WERE TRAVELING SOUTH BOUND ON N KING ST. THE DRIVER OF VEHICLE # 2 STOPPED AS A PEDESTRIAN STEPPED OUT IN FRONT OF HER VEHICLE. THE DRIVER OF VEHICLE # 1 WAS NOT ABLE TO STOP IN TIME, STRIKING VEHICLE # 2 IN THE RIGHT REAR SECTION OF HER VEHICLE.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	E MARKET ST	39.11548	-77.56454	N KING ST	property damage crash	0	0	0	0	0.2. No
3	12/14/2015	6:30	Mon	2. Angle	V1 WAS TRUCK TRAILER WITH LTT OF 80 FEET AND 5 AXLES. V1 WAS TRYING TO TURN EAST ON EAST MARKET FROM SOUTHBOUND KING STREET. V1 WAS UNABLE TO MAKE THE TURN DUE TO V2 STOPPING ON EAST MARKET PAST THE WHITE STOP LINE. DRIVER OR V1 TOLD THE DRIVER OF V2 NUMEROUS TIMES TO BACK UP, SO HE COULD COMPLETE THE TURN. V2 DRIVER REFUSED. V1 UTILIZED THE SEVERAL SMALL TURNS TO TRY AND CLEAR THE INTERSECTION AND IN DOING SO SIDESWIPE THE FRONT DRIVERS SIDE OF V2 WITH THE TRAILER.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	WEST MARKET STREET	39.11542	-77.56441	SOUTH KING STREET	property damage crash	0	0	0	0	0.2. No
3	3/17/2016	8:31	Thu	2. Angle	V1 WAS TRAVELING SOUTH BOUND ON N.KING ST. V2 WAS TRAVELING WEST BOUND ON E.MARKET ST. DURING THIS TIME, V1 WAS ATTEMPTING TO TURN EAST BOUND ONTO E.MARKET ST., V2 STRUCK V1 AT THE INTERSECTION OF E.MARKET ST. AND N.KING ST. WITNESSES AND D2 STATED THAT V1 HAD A RED LIGHT WHILE V2 HAD THE GREEN LIGHT. D1 STATED THAT HE HAD THE GREEN LIGHT. NO INJURIES WERE FOUND AT THE SCENE OF THE CRASH. D1 CITED FOR RECKLESS DRIVING. V1 SUSTAINED APPROXIMATELY \$2000 IN DAMAGE. V2 SUSTAINED \$1500 IN DAMAGE. BOTH VEHICLES DROVE AWAY FROM THE SCENE.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	N.KING ST.	39.11548	-77.56456	E.MARKET ST	property damage crash	0	0	0	0	0.2. No

DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS cont'd.

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Pedestri an Fatality Count	Non Pedestri an Fatality	Pedestri an Injury Cnt	Non Pedestri an Injury Count	Work Zone Related
3	9/13/2016	18:00	Tue	2. Angle	VEHICLE 2 WAS TRAVELING WEST ON MARKET STREET. VEHICLE 1 WAS TRAVELING EAST ON MARKET STREET. VEHICLE 2 ATTEMPTED AN IMPROPER LEFT TURN ON A GREEN/YIELD STOPLIGHT FROM MARKET STREET TO TRAVEL SOUTH ON KING STREET. THIS TURN IS NOT PERMITTED FROM 4:00PM TO 6:00PM M-F. VEHICLE 1 WAS TRAVELING EAST ON EAST MARKET AND HAD IMPROPERLY PASSED VEHICLES STOPPED IN THE TRAVEL LANE. VEHICLE 1 STRUCK VEHICLE 2 IN THE INTERSECTION. VEHICLE 1 INITIALLY STOPPED TO EXCHANGE INFORMATION, THEN FLED THE SCENE.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	KING STREET	39.11545	-77.56458	MARKET STREET	property damage crash	0	0	0	0	0.2. No
					V1 AND V2 WERE TRAVELING SOUTHBOUND ON NORTH KING ST. V2 SLOWED DOWN TO TURN RIGHT ON TO WEST MARKET ST. V1 WAS TRAVELING BEHIND V2 AND ALSO PLANNED ON TURNING RIGHT ON TO WEST MARKET ST. V2 MOVED TOWARDS THE RIGHT SIDE OF THE ROAD WHILE SLOWING TO MAKE THE RIGHT HAND TURN, SO THAT HE WOULD BE OUT OF THE WAY OF THE VEHICLES TRAVELING STRAIGHT THROUGH THE INTERSECTION. D1 ASSUMED THAT SINCE V2 WAS MOVING OVER TO THE RIGHT SLIGHTLY AND SLOWING DOWN THAT V2 WAS GOING TO PARK ON THE SIDE OF THE ROAD. D1 THEN PASSED V2 WHILE STILL WITHIN THE LANE, TO MAKE THE RIGHT TURN ON TO WEST MARKET ST. WHILE V1 WAS TURNING, V2 WAS STILL TRAVELING FORWARD. V1 SIDESWIPE THE FRONT DRIVERS SIDE OF V2 IN THE INTERSECTION. THIS CAUSED DAMAGE TO THE PASSENGER SIDE OF V1 AND THE FRONT OF V2. NO INJURIES WERE SUSTAINED AND NO VEHICLES WERE TOWED FROM THE SCENE.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	WEST MARKET ST	39.11551	-77.56453	NORTH KING ST	property damage crash	0	0	0	0	0.2. No
3	3/20/2017	20:42	Mon	4. Sideswipe - Same Direction	DRIVER #1 WAS TRAVELING WEST ON EAST MARKET STREET IN A RESTRICTED ZONE FOR TRACTOR TRAILERS. DRIVER #1 THEN WAS MAKING A RIGHT TURN ONTO NORTH KING STREET FROM EAST MARKET STREET WHEN HIS VEHICLE STRUCK THE TOWN OF LEESBURG PEDESTRIAN TRAFFIC SIGNAL. DRIVER #1 WAS ISSUED A TRAFFIC SUMMONS FOR VIOLATION OF STATE CODE DISREGARD A HIGHWAY SIGN. WITNESS #1 TRACY CALLOW 512-757-5103 WITNESS #2 STEVEN HAINES 571-888-9868 POLICY # USX48121-16CELL #207-608-2734 DRIVER #1	8. Sign, Traffic Signal	9. Outside Right of-Way	No Injury (O)	WEST MARKET ST	39.11549	-77.56444	EAST MARKET STREET	property damage crash	0	0	0	0	0.2. No
3	4/12/2017	17:55	Wed	1. Rear End	VEHICLE 1 WAS MAKING A LEFT TURN FROM EAST MARKET STREET ONTO SOUTHBOUND SOUTH KING STREET. AS VEHICLE 1 COMPLETED THE TURN IT DID NOT FULLY CLEAR CAUSING VEHICLE 1 TO STRIKE VEHICLE 2 IN A REAR END TYPE COLLISION ON THE DRIVERS SIDE. VEHICLE 2 AT THE TIME WAS NOT OCCUPIED AND WAS LEGALLY PARKED. CONTACT WAS MADE WITH THE TRUCK DRIVER WHO STATED THAT HE DID NOT REALIZE THAT HE STRUCK A VEHICLE BUT ADVISED THAT AS HE WAS MAKING THE TURN HE WAS CHECKING ON HIS TRAILER ENSURING THAT HE DID NOT CAUSE AN ACCIDENT. VEHICLE 1 DRIVER PROVIDED HIS INFORMATION FOR THE ACCIDENT REPORT. DRIVER 1 ADVISED THAT AS HE COMPLETED THE TURN HE WAS TRAVELING APPROXIMATELY 2 MPH.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	EAST MARKET STREET	39.11532	-77.56466	5 SOUTH KING STREET	property damage crash	0	0	0	0	0.2. No
4	10/21/2015	15:04	Wed	1. Rear End	VEHICLES #1 AND #2 WERE TRAVELING WEST BOUND ON LOUDOUN ST. APPROACHING THE INTERSECTION OF S. KING ST. DRIVER #2 STATED THAT THE LIGHT HAD CHANGED TO RED AND HE CAME TO A STOP WHEN HE WAS STRUCK FROM BEHIND. DRIVER #1 STATED THAT HE HAD A BOX OF COINS ON HIS SEAT THAT HE WAS LEANING OVER FOR TO KEEP FROM FALLING OFF OF HIS SEAT AND HE DID NOT SEE THAT VEHICLE #2 HAD COME A STOP AND STRUCK VEHICLE #2. DRIVER #1 HAD HIS OWN TOW COME TO PICK UP HIS VEHICLE. NO INJURIES WERE REPORTED.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	S. KING ST.	39.11425	-77.56503	LOUDOUN ST.	property damage crash	0	0	0	0	0.2. No
5	7/16/2014	10:59	Wed	1. Rear End	DRIVER #1 AND DRIVER #2 WERE BOTH TRAVELING WEST ON LOUDOUN STREET. DRIVER #2 WAS STOPPED IN THE TRAVEL LANE FOR A RED TRAFFIC LIGHT. DRIVER #1 TOOK HIS EYES OFF THE ROAD AND THEN STRUCK DRIVER #2 IN A REAR END COLLISION. DRIVER #1 WAS CHARGED WITH FOLLOWING TOO CLOSE. THERE WAS NO KNOWN WITNESS TO THIS CRASH.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	SOUTH KING STREET	39.11421	-77.56487	LOUDOUN STREET	property damage crash	0	0	0	0	0.2. No
5	1/19/2016	11:45	Tue	1. Rear End				No Injury (O)										

DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS cont'd.

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Pedestri an Fatality Count	Non Pedestri an Injury Cnt	Pedestri an Injury an Injury Count	Work Zone Related
5	4/19/2016	14:24	Tue	1. Rear End	VEHICLE # 2 WAS STOPPED ON S KING ST / LOUDOUN ST AT A RED TRAFFIC SIGNAL. THE DRIVER OF VEHICLE # 1 WAS SLOWING DOWN ON S KING ST. THE DRIVER OF VEHICLE # 1 WAS WEARING SPECIAL SPORTS SHOES WHICH HAVE A ROUNDED SOLE. WHILE THE DRIVER OF VEHICLE # 1 WAS APPLYING PRESSURE TO THE BRAKE PEDAL, THE BALL PORTION ROLLED OFF OF THE BRAKE PEDAL AND HIT THE ACCELERATOR, CAUSING HER VEHICLE TO STRIKE THE REAR END AREA OF VEHICLE # 2.	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitating Injury (B)	LOUDOUN ST	39.11411	-77.56513	S KING ST	injury crash	0	0	0	1.2. No
5	4/14/2015	17:24	Tue	2. Angle	VEHICLE #2 WAS TRAVELING SOUTH BOUND ON S. KING ST. ENTERING THE INTERSECTION OF LOUDOUN ST. WHEN DRIVER #2 ADVISED SHE WAS STRUCK FROM THE SIDE. VEHICLE #1 WAS TRAVELING EAST BOUND ON LOUDOUN ST. APPROACHING THE INTERSECTION OF S. KING ST. WHEN DRIVER #1 ADVISED THAT HER BRAKES GAVE OUT ON HER VEHICLE AND SHE COULD NOT STOP. DRIVER #1 AVOIDED STRIKING THE VEHICLE IN FRONT OF HER BY GOING UP ONTO THE CURB TO THE RIGHT PASSING WITNESSES #1 AND #2 THEN INTO THE INTERSECTION STRIKING VEHICLE #2. NO INJURIES WERE REPORTED, MEDICS ARRIVED ON SCENE TO CHECK ON ALL PARTIES AND BOTH VEHICLES WERE TOWED FROM THE SCENE. VEHICLE ONE WHILE ATTEMPTING TO MAKE A LEFT TURN ON TO SOUTH KING ST NORTH BOUND FROM LOUDOUN ST EAST BOUND FAILED TO YIELD THE RIGHT OF WAY AND PULLED IN FRONT OF VEHICLE TWO WHICH WAS TRAVELING WEST BOUND ON LOUDOUN ST. VEHICLE TWO STRUCK VEHICLE ONE IN THE INTERSECTION OF LOUDOUN ST AND SOUTH KING ST CAUSING DAMAGE TO THE FRONT END OF BOTH VEHICLES.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	S. KING ST.	39.11423	-77.56514	LOUDOUN ST.	property damage crash	0	0	0	0.2. No
5	3/7/2016	21:11	Mon	2. Angle	VEHICLE 1 WAS TRAVELING SOUTH ON SOUTH KING STREET IN THE AREA OF LOUDOUN STREET. VEHICLE 2 WAS TRAVELING WEST ON LOUDOUN STREET IN THE AREA OF SOUTH KING STREET. VEHICLE 3 WAS STOPPED AT THE RED ON SOUTH KING STREET FACING SOUTH. DRIVER OF VEHICLE 1 STATED THAT SHE WAS TRAVELING SOUTH ON KING STREET WHEN SHE NOTICED THE LIGHT AT LOUDOUN STREET WAS RED. DRIVER OF VEHICLE 1 STATED THAT SHE TRIED TO PUT ON THE BRAKES BUT COULD NOT. SHE THEN LOST CONTROL OF VEHICLE 1 WHICH STRUCK VEHICLE 3 THEN VEHICLE 2 AND DAMAGED A TOWN OF LEESBURG BENCH AND TRASH CAN. VEHICLE 1 ALSO DAMAGED A BUILDING OWNED BY DEVINE COMMERCIAL INC AND A SUPPORT WIRE PROTECTOR OWNED BY DOMINION POWER. DRIVER OF VEHICLE 2 STATED THAT HE WAS TRAVELING WEST ON LOUDOUN STREET GOING THROUGH THE INTERSECTION OF SOUTH KING STREET WHEN THE VEHICLE WAS STRUCK. DRIVER OF VEHICLE 2 WASN'T SURE WHAT HAPPENED ONLY FELT THE IMPACT. DRIVER OF VEHICLE 3 STATED THAT SHE WAS SITTING AT THE RED LIGHT ON SOUTH KING STREET WHEN SHE SAW VEHICLE 1 APPROACHING THE INTERSECTION AT A HIGH RATE OF SPEED. DRIVER OF VEHICLE 3 STATED THAT VEHICLE 1 APPEARED TO LOSE CONTROL AND WAS DRIVING SOUTH IN THE NORTH BOUND LANES. VEHICLE 1 THEN STRUCK VEHICLE 3 AND THEN STRUCK VEHICLE 2. DRIVER OF VEHICLE 1 WAS TRANSPORTED WITH INJURIES.	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitating Injury (B)	SOUTH KING STREET	39.11438	-77.56504	LOUDOUN STREET	injury crash	0	0	0	3.2. No
5	3/22/2015	13:30	Sun	3. Head On	VEHICLE ONE WAS TRAVELING WESTBOUND ON LOUDOUN STREET, SE, APPROACHING THE INTERSECTION OF SOUTH KING STREET. AS THE DRIVER APPROACHED THE INTERSECTION, THE DRIVER MADE A LEFT TO PROCEED SOUTHBOUND ON SOUTH KING STREET, STRUCK THE CURB WITH IT'S WHILE PASSENGER SIDE, SIDESWIPED VEHICLE TWO ON IT'S DRIVER'S SIDE, CROSSED THE YELLOW LANE DIVIDER AND STRUCK VEHICLE THREE HEAD ON WHILE VEHICLE THREE WAS STOPPED IN THE LANE OF TRAVEL FACING NORTHBOUND. THAT IS WHERE VEHICLE ONE CAME TO REST.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	LOUDOUN STREET	39.11413	-77.56515	SOUTH KING STREET	property damage crash	0	0	0	0.2. No

DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS cont'd.

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Pedestri an Fatality Count	Non Pedestri an Fatality	Pedestri an Injury Cnt	Non Pedestri an Injury Count	Work Zone Related
5	1/31/2015	13:09	Sat	9. Fixed Object - Off Road	VEHICLE 1 WAS TRAVELING EAST ON LOUDOUN STREET, SW. VEHICLE 1 MADE A RIGHT TURN TO HEAD SOUTH ON SOUTH KING STREET, STRUCK THE CURB, DROVE UP ON THE SIDEWALK, AND STRUCK THE BUILDING. VEHICLE 1 STOPPED WESTBOUND AT THE STOP SIGN ON ROYAL STREET, SE. AT SOUTH KING STREET. VEHICLE 2 WAS TRAVELING SOUTHBOUND ON SOUTH KING STREET. VEHICLE 1 MADE A LEFT HAND TURN ONTO SOUTH KING STREET AND STRUCK VEHICLE 2, CAUSING AN ANGEL COLLISION.	12. Building/Structure	1. On Roadway	No Injury (O)	LOUDOUN STREET, SW	39.11419	-77.56517	SOUTH KING STREET	property damage crash	0	0	0	0	0.2. No
6	10/21/2014	13:53	Tue	2. Angle	VEHICLE # 1 WAS STOPPED ON ROYAL ST SE AT A MARKED STOP SIGN. THE DRIVER OF VEHICLE # 2 WAS STOPPED ON S KING ST PRIOR TO THE INTERSECTION OF ROYAL ST SE. THE DRIVER OF VEHICLE # 1 SAW THAT TRAFFIC ON S KING ST WAS STOPPED, LOOKED RIGHT AND TURNED LEFT INTO THE FRONT END AREA OF VEHICLE # 2.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	ROYAL STREET SW	39.11359	-77.56537	SOUTH KING STREET	property damage crash	0	0	0	0	0.2. No
6	4/14/2015	15:14	Tue	2. Angle	VEHICLE # 2 WAS TRAVELING SOUTH BOUND ON S KING ST. THE DRIVER OF VEHICLE # 1 WAS TRAVELING WEST BOUND ON ROYAL ST SE. THE DRIVER OF VEHICLE # 1 WAS AT A POSTED STOP SIGN AND CAME TO A FULL STOP. THERE WERE STOPPED VEHICLES ON S KING ST WAITING TO MOVE. THE DRIVER OF VEHICLE # 1 STARTED ACROSS THE INTERSECTION AND DID NOT SEE VEHICLE # 2 APPROACHING, AND PULLED INTO THE PATH OF VEHICLE # 2 AND WAS STRUCK IN THE RIGHT FRONT FENDER AREA.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	ROYAL ST SE	39.11363	-77.56537	S KING ST	property damage crash	0	0	0	0	0.2. No
6	7/6/2016	17:48	Wed	2. Angle	DRIVER #1 AND DRIVER #2 WERE BOTH TRAVELING SOUTH ON SOUTH KING STREET. DRIVER #1 THEN STRUCK DRIVER #2 IN A REAR END COLLISION. DRIVER #1 WAS CHARGED WITH FOLLOWING TOO CLOSE. NO KNOWN WITNESS TO THIS CRASH.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	ROYAL ST SE	39.11361	-77.5654	S KING ST	property damage crash	0	0	0	0	0.2. No
7	1/5/2016	7:55	Tue	1. Rear End	VEHICLE #2 WAS TRAVELING EAST ON WEST MARKET STREET IN THE AREA OF LIBERTY STREET. VEHICLE #1 WAS TRAVELING ON LIBERTY STREET, NW IN THE AREA OF WEST MARKET STREET. DRIVER OF VEHICLE #1 ADVISED THAT SHE STOPPED AT THE STOP SIGN AND PROCEEDED INTO THE INTERSECTION. VEHICLE #2 ADVISED THAT HE SAW THE VEHICLE COME OUT ONTO WEST MARKET STREET BUT COULD NOT GET STOPPED BEFORE THE IMPACT. VEHICLE #2 STRUCK VEHICLE #1 IN THE INTERSECTION OF WEST MARKET STREET AND LIBERTY STREET BECAUSE VEHICLE #1 FAILED TO YIELD THE RIGHT OF WAY.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	LOUDOUN STREET	39.11323	-77.56558	SOUTH KING STREET	property damage crash	0	0	0	0	0.2. No
8	1/31/2015	11:26	Sat	2. Angle	DRIVER #2 WAS TRAVELING EAST ON WEST MARKET STREET. DRIVER #1 WAS TRAVELING SOUTH ON LIBERTY STREET. DRIVER #1 WAS STOPPED AT A STOP SIGN. DRIVER #1 THEN STRUCK DRIVER #2 IN AN ANGLE COLLISION. DRIVER #1 WAS CHARGED WITH FAIL TO YIELD THE RIGHT OF WAY. DRIVER #1 HAD COMPLAINT OF NECK PAIN. WITNESS #1 SARAH CHINN 571.919.0964	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	WEST MARKET STREET	39.11609	-77.56698	LIBERTY STREET	property damage crash	0	0	0	0	0.2. No
8	7/15/2015	12:20	Wed	2. Angle	VEHICLE ONE WAS STOPPED AT THE STOP SIGN FACING SOUTHBOUND ON LIBERTY STREET, NW, AT THE INTERSECTION WITH WEST MARKET STREET. DRIVER OF VEHICLE REPORTED LOOKING BOTH WESTBOUND AND EASTBOUND ON WEST MARKET STREET PRIOR TO PROCEEDING. DRIVER ONE REPORTED NOT SEEING ANY TRAFFIC AND PROCEEDED INTO THE INTERSECTION. VEHICLE TWO, WHO WAS TRAVELING EASTBOUND ON WEST MARKET STREET, WAS APPROACHING THE INTERSECTION WITH LIBERTY STREET. AS VEHICLE TWO APPROACHED THE INTERSECTION WHERE VEHICLE ONE WAS CROSSING. DRIVER OF VEHICLE TWO, WHO ESTIMATED HER SPEED AT 20 MILES PER HOUR, COULD NOT STOP AND STRUCK VEHICLE ONE AT AN ANGLE ON THE REAR PASSENGER SIDE DOOR. AN INDEPENDENT WITNESS REPORTED OBSERVING VEHICLE ONE CROSS INTO THE PATH OF VEHICLE TWO, AND STATED VEHICLE TWO WAS NOT TRAVELING AT A HIGH RATE OF SPEED. UPON IMPACT, VEHICLE ONE FISH TAILED, WENT ONTO A SIDEWALK AND STRUCK A TREE, WHERE IT CAME TO REST.	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitating Injury (B)	LIBERTY STREET	39.11609	-77.56697	WEST MARKET STREET	injury crash	0	0	0	0	1.2. No
8	9/24/2015	8:46	Thu	2. Angle		20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitating Injury (B)	LIBERTY STREET NW	39.11608	-77.56698	WEST MARKET STREET	injury crash	0	0	0	0	2.2. No

DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS cont'd.

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Pedestri an Fatality Count	Pedestri an Injury Cnt	Non Pedestri an Injury Count	Work Zone Related
9	5/19/2016	16:02	Thu	2. Angle	DRIVER 2 WAS HEADING WEST ON WEST MARKET STREET IN THE AREA OF WIRT STREET. DRIVER 1 WAS HEADING NORTH ON WIRT STREET AND STOPPED AT A STOP SIGN AT WEST MARKET STREET. DRIVER 1 SAID HIS VIEW WAS BLOCKED TO THE EAST BY VEHICLES STOPPED IN THE TRAVEL LANE DUE TO TRAFFIC VOLUME. DRIVER 1 SAID THE VEHICLE WEST OF THE INTERSECTION WAVED FOR HIM TO CROSS THE INTERSECTION. DRIVER 1 STARTED INTO THE INTERSECTION AND WAS STRUCK BY VEHICLE IN AN ANGLE COLLISION. VEHICLE 1 WAS DISABLED FROM THE DAMAGES, BUT DRIVER 1 USED HIS OWN TOW TRUCK.	20. Motor Vehicle in Transport	1. On Roadway	No Injury (O)	WIRT STREET	39.11585	-77.56613	WEST MARKET STREET	property damage crash	0	0	0	0 2. No
9	11/8/2016	10:35	Tue	2. Angle	VEHICLE 2 WAS HEADING WEST ON WEST MARKET STREET IN THE AREA OF WIRT STREET. VEHICLE 1 WAS HEADING NORTH ON WIRT STREET AND STOPPED AT A STOP SIGN. DRIVER 1 SLOWLY STARTED TO CROSS WHEN SHE WAS STRUCK IN AN ANGLE COLLISION BY VEHICLE 2. VEHICLE 1 THEN SPUN AROUND AND LEFT THE ROADWAY AFTER STRIKING A CURB. VEHICLE 1 THEN STRUCK 28 WEST MARKET STREET BEFORE COMING TO A STOP. A PASSENGER IN VEHICLE 2 HAD SMALL ABRASIONS FROM THE SEAT BELT BUT REFUSED RESCUE. VEHICLE 1 WAS TOWED DUE TO DAMAGES. VEHICLE 2 ALSO NEEDED TOWED BUT THE OWNER LEFT IT LEGAL PARKED IN THE LOT OF JOCKS EXXON SO THEY COULD REPAIR THE VEHICLE.	20. Motor Vehicle in Transport	1. On Roadway	Non-Incapacitating Injury (B)	WIRT STREET	39.11585	-77.56611	WEST MARKET STREET	injury crash	0	0	0	1 2. No
10	12/4/2014	18:46	Thu	1. Rear End	VEHICLE 1 WAS TRAVELING WEST BOUND AND STOPPED BEHIND VEHICLE 2 WHILE THEY WERE ENTERING EAST MARKET STREET. VEHICLE 2 CONTINUED THROUGH THE STOP SIGN AND ENTERED TRAFFIC AND VEHICLE 1 THAT WAS FOLLOWING TOO CLOSELY STRUCK THE REAR OF VEHICLE 2.	20. Motor Vehicle in Transport	1. On Roadway	No Injury (O)	EAST MARKET STREET	39.11548	-77.5647	ROUTE 15 BYPASS	property damage crash	0	0	0	0 2. No
10	6/8/2016	16:37	Wed	2. Angle	VEHICLE # 2 WAS TRAVELING WEST BOUND ON W MARKET ST. THE DRIVER OF VEHICLE # 1 WAS EXITING A PRIVATE DRIVEWAY, ATTEMPTING TO MAKE A RIGHT HAND TURN ONTO W MARKET ST. THE DRIVER OF VEHICLE # 1 DID NOT SEE VEHICLE # 2 APPROACHING, AND STRUCK THE REAR PASSENGER SIDE OF VEHICLE # 2.	20. Motor Vehicle in Transport	1. On Roadway	No Injury (O)	N KING ST	39.11564	-77.56515	10 W MARKET ST	property damage crash	0	0	0	0 2. No
10	7/29/2015	15:30	Wed	4. Sideswipe - Same Direction	VEHICLE 2 WAS PARKED ON THE SIDE OF EAST MARKET STREET FROM 1400 TO 1530. DURING THIS TIME, AN UNKNOWN VEHICLE SIDE SWIPED VEHICLE 2.	20. Motor Vehicle in Transport	1. On Roadway	No Injury (O)	KING STREET (ROUTE 15)	39.11557	-77.56505	WEST MARKET STREET (ROUTE 7)	property damage crash	0	0	0	0 2. No
11	12/27/2015	9:57	Sun	1. Rear End	BOTH VEHICLES WERE TRAVELING EASTBOUND ON WEST MARKET STREET APPROXIMATELY 130.00 FEET WEST OF SOUTH KING STREET. THE TRAFFIC SIGNAL FOR WESTBOUND TRAFFIC WAS GREEN AT THE TIME. VEHICLE TWO SIGNALLED TO THE LEFT BY ACTIVATING THE VEHICLE'S ILLUMINATED REAR TURN SIGNAL INDICATING TO TRAFFIC FOLLOWING HIS INTENT TO TURN LEFT INTO A PARKING LOT AND CAME TO A STOP ALLOWING WESTBOUND TRAFFIC TO PASS. AS VEHICLE TWO WAS STOPPED FOR AN ESTIMATED FIVE SECONDS, IT WAS REAR ENDED BY VEHICLE ONE, WHO WAS FOCUSING ON THE GREEN LIGHT AT THE INTERSECTION, AND DID NOT IMMEDIATELY REALIZE VEHICLE TWO HAD BEEN STOPPED WAITING TO TURN. THE FRONT SEAT PASSENGER IN VEHICLE TWO WAS TRANSPORTED BY AMBULANCE FOR A CHECK OUT.	20. Motor Vehicle in Transport	1. On Roadway	Non-Incapacitating Injury (B)	KING STREET	39.11539	-77.56432	WEST MARKET STREET	injury crash	0	0	0	1 2. No
11	6/6/2017	19:12	Tue	1. Rear End	VEHICLE # 2 WAS STOPPED IN A MARKED TRAVEL LANE ON E MARKET ST, WITH VEHICLE # 1 DIRECTLY BEHIND. THE DRIVER OF VEHICLE # 1 DID NOT REALIZE THAT HE RELEASED PRESSURE FROM THE BRAKE PEDAL, CAUSING HIS VEHICLE TO DRIFT FORWARD INTO THE REAR END AREA OF VEHICLE # 2.	20. Motor Vehicle in Transport	1. On Roadway	Non-Incapacitating Injury (B)	N KING ST	39.11524	-77.56369	18 E MARKET ST	injury crash	0	0	0	1 2. No

DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS cont'd.

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Pedestri an Fatality Count	Non Pedestri an Injury Cnt	Pedestri an Injury Count	Non Pedestri an Injury Related			
11	1/21/2015	13:47	Wed	2. Angle	V1 WAS TRAVELING NORTH ON A ALLEY WAY APPROACHING E MARKET STREET WHEN THE OPERATOR SUSTAINED A MEDICAL EMERGENCY BEHIND THE WHEEL. THE OPERATOR PUSHED THE ACCELERATOR PEDAL WHILE HAVING THE EMERGENCY AND ENTERED E. MARKET STREET AND STRUCK V2. V2 WAS TRAVELING WEST BOUND ON E MARKET STREET WHEN THE COLLISION OCCURRED. AFTER IMPACT WITH V2, V1 CONTINUED NORTH LEAVING THE ROADWAY AND STRIKING A IRON FENCE AT 18 E MARKET STREET (LOUDOUN COUNTY COURT HOUSE). V1 CONTINUED AT WHICH TIME V1 STRUCK A CONCRETE PATIO LANDING NEAR THE BUILDING BRINGING V1 TO A REST. THE OPERATOR WAS STILL INSIDE THE VEHICLE UNRESPONSIVE AND HAD TO BE REMOVED BY COURT HOUSE STAFF. (V4) V1 SUSTAINED MODERATE FRONT END DAMAGE. V2 SUSTAINED MODERATE BUT DISABLING DAMAGE TO THE REAR DRIVER SIDE PANEL/BUMPER, TIRE AREA. THE IRON FENCE WAS DAMAGED. NO REPORTABLE DAMAGE WAS NOTED TO THE COURT HOUSE BUILDING.	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitating Injury (B)	N KING ST	39.11523	-77.56376	E MARKET ST	injury crash	0	0	0	1	2. No		
11	9/17/2014	10:01	Wed	4. Sideswipe - Same Direction	VEHICLE # 2 WAS ATTEMPTING TO PARK IN A MARKED PARKING SPACE. THE DRIVER OF VEHICLE # 1 WAS ATTEMPTING TO PARK IN THE SAME PARKING SPACE AS VEHICLE # 2. THE DRIVER OF VEHICLE # 1 BECAME UPSET AND PULLED AWAY STRIKING VEHICLE # 2 IN THE LEFT FRONT FENDER AREA.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	S KING ST	39.11528	-77.56401	7 E MARKET ST	property damage crash	0	0	0	0	2. No		
11	2/28/2016	17:25	Sun	4. Sideswipe - Same Direction	V2 WAS PARKED, UNOCCUPIED, ALONG THE CURB ON EAST MARKET STREET WHEN IT WAS STRUCK BY V1. V1 SUSTAINED MINOR SCRAPE DAMAGE TO THE DRIVER SIDE REAR WHEEL WELL AREA. V2 SUSTAINED DAMAGE TO THE FRONT FENDER AND BUMPER.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	KING STREET	39.11531	-77.56413	3 EAST MARKET STREET	property damage crash	0	0	0	0	2. No		
11	11/15/2016	8:48	Tue	4. Sideswipe - Same Direction	V1 WAS TRAVELING EAST BOUND ON E MARKET ST. V2 WAS PARKED FACING EAST BOUND ON E MARKET. D1 ATTEMPTED TO PULL INTO A PARKING SPACE IN FRONT OF V2. V1 COLLIDED WITH V2. V2 SUSTAINED APPROXIMATELY \$2000 IN DAMAGE.	20. Motor Vehicle In Transport	7. In Parking Lane or Zone	No Injury (O)	CHURCH ST SE	39.11519	-77.56363	E MARKET ST	property damage crash	0	0	0	0	2. No		
11	10/17/2014	16:17	Fri	5. Sideswipe - Opposite Direction	VEHICLE ONE WAS TRAVELING EAST BOUND ON EAST MARKET STREET WHEN DRIVER HEARD WHAT SOUNDED LIKE AN OBJECT HAD STRUCK HER VEHICLE. DRIVER ONE STOPPED IN THE LANE OF TRAVEL AND BEGAN REVERSING ON A HIGHWAY WITH TRAFFIC MOVING AND BACKED INTO A DRIVEWAY TO INVESTIGATE WHAT THE SOUND WAS. VEHICLE TWO, WHICH WAS ALSO TRAVELING EAST BOUND ON EAST MARKET STREET DID NOT STOP IN TIME FOR VEHICLE ONE TO NAVIGATE INTO THE DRIVEWAY AND WAS SIDE SWEEPED BY THE FRONT DRIVER'S SIDE OF VEHICLE ONE.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	CHURCH STREET	39.11512	-77.56333	EAST MARKET STREET	property damage crash	0	0	0	0	2. No		
12	3/30/2015	17:50	Mon	3. Head On	VEHICLE 1 WAS HEADED EAST BOUND ON EDWARDS FERRY RD. NE WHEN THE DRIVER RAN THROUGH A RED LIGHT AND STRUCK VEHICLE 2 THAT WAS TURNING LEFT ON TO EDWARDS FERRY RD NE TO HEAD WEST BOUND. THE DRIVER OF VEHICLE 1 STATED THAT SHE WAS NOT SURE WHAT COLOR HER SIGNAL LIGHT WAS BECAUSE OF THE GLARE OF THE SUN AND WAS NOT SURE IF IT WAS RED OR YELLOW. THE DRIVER OF VEHICLE 2 STATED THAT SHE HAD THE LEFT GREEN YIELD SIGNAL WHEN VEHICLE 1 STRUCK HER. A WITNESS ON SCENE STATED THAT THE DRIVER OF VEHICLE 1 RAN THE RED LIGHT. VEHICLE 1 HAD APPROXIMATELY \$2000 WORTH OF DAMAGE TO THE RIGHT FRONT WHEEL AREA AND QUARTER PANEL. VEHICLE 1 WAS ABLE TO BE DRIVEN FROM THE SCENE. VEHICLE 2 HAD APPROXIMATELY \$5000 WORTH OF DAMAGE TO THE FRONT END OF THE VEHICLE. VEHICLE 2 HAD TO BE TOWED FROM THE SCENE. THE DRIVER OF VEHICLE 1 WAS ISSUED A CITATION FOR DISREGARDING A RED LIGHT(46.2-833). NEITHER DRIVER NEEDED MEDICS. MEDICS WERE CALLED FOR AN 8 YEAR OLD THAT WAS IN VEHICLE 2. SHE HAD MINOR INJURIES AND WAS RELEASED FROM THE HOSPITAL.	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitating Injury (B)	984 EDWARDS FERRY RD NE	39.11502	-77.56301	915 EDWARDS FERRY RD NE	injury crash	0	0	0	0	0	1	2. No

DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS cont'd.

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Pedestri an Fatality Count	Pedestri an Injury Cnt	Non Pedestri an Injury Count	Work Zone Related
12	1/30/2017	16:11	Mon	4. Sideswipe - Same Direction	VEHICLE # 2 WAS TRAVELLING WEST BOUND ON E MARKET ST. THE DRIVER OF VEHICLE # 1 WAS TRAVELLING WEST BOUND ON EDWARDS FERRY RD. AND WAS STOPPED AT A MARKED STOP SIGN. THE DRIVER OF VEHICLE # 1 DID NOT SEE VEHICLE # 2 APPROACHING, AND PULLED OUT, STRIKING THE PASSENGER DOOR AREA OF VEHICLE # 2.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	EDWARDS FERRY RD	39.11503	-77.56294	E MARKET ST	property damage crash	0	0	0	0.2. No
12	9/3/2017	12:17	Sun	4. Sideswipe - Same Direction	D1 STATED THAT HE WAS GOING WEST ON EDWARDS FERRY AND THOUGHT THAT HE WAS CLEAR TO TAKE A LEFT TURN IN TO CHURCH ST. AT WHICH TIME HE WAS STRUCK BY V#2 WHO HAD THE RIGHT OF WAY. NO INJURIES. D2 INDICATED THAT HE WAS GOING WEST ON E MARKET AND STATED THAT D1 RAN THE STOP SIGN WHICH CAUSED THE COLLISION.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	CHURCH ST NE	39.11501	-77.56289	EDWARDS FERRY RD	property damage crash	0	0	0	0.2. No
12	5/24/2017	15:49	Wed	6. Fixed Object in Road	VEHICLE # 1 WAS TRAVELING ON EDWARDS FERRY RD AND WAS GOING TO TURN LEFT ONTO E MARKET ST. THE DRIVER STATED THAT AN UNIDENTIFIED CAR PASSED HER ON THE RIGHT, AND SHE PULLED THE STEERING WHEEL TO THE LEFT AND STRUCK A CONCRETE ISLAND IN THE ROADWAY.	16. Other Traffic Barrier	1. On Roadway	No Injury (O)	E MARKET ST	39.11497	-77.56279	EDWARDS FERRY RD	property damage crash	0	0	0	0.2. No
13	6/28/2017	13:59	Wed	4. Sideswipe - Same Direction	VEHICLE 2 WAS PARKED AT THE BUS PARKING WHEN VEHICLE 1 WAS TRAVELING EAST ON E. MARKET ST AND CAME INTO CONTACT WITH VEHICLE 2.	6. Parked Vehicle	1. On Roadway	No Injury (O)	HARRISON ST SE	39.11441	-77.5617	1 HARRISON ST SE	property damage crash	0	0	0	0.2. No
13	8/14/2014	20:47	Thu	9. Fixed Object - Off Road	DRIVER OF V1 DROVE OUT OF THE BACK PARKING LOT OF LA CHOSTITA AND WAS PLACING HIS FOOD ON THE SEAT WHEN HE CRASHED INTO THE LIGHT POLE.	3. Utility Pole	1. On Roadway	No Injury (O)	206 E MARKET ST	39.11389	-77.56129	206 E MARKET ST	property damage crash	0	0	0	0.2. No
13	6/20/2015	6:50	Sat	9. Fixed Object - Off Road	V1 WAS TRAVELING WEST ON EAST MARKET STREET, WHEN THE FRONT RIGHT TIRE BLEW OUT, CAUSING V1 TO JUMP THE SIDEWALK AND STRIKE THE BUILDING AT 110 EAST MARKET STREET. V1 PUSHED THROUGH A LAYER OF BRICKS AND METAL HAND RAIL WHICH RAN ALONG THE SIDE OF THE BUILDING. DRIVER OF V1 WAS TRANSPORTED BY RESCUE TO CORNWALL FOR AN INJURED ARM.	12. Building/Structure	2. Shoulder	Non-Incapacitating Injury (B)	HARRISON STREET	39.11456	-77.56228	110 EAST MARKET STREET	injury crash	0	0	0	1.2. No
13	3/16/2016	12:10	Wed	9. Fixed Object - Off Road	DRIVER #1 WAS MAKING A RIGHT TURN FROM A PRIVATE PARKING LOT. DRIVER #1 FRONT TIRES WERE ON THE ROADWAY ON EAST MARKET STREET. DRIVER #1 MADE THE TURN TO TIGHT AND RAN OVER A VERIZON GUIDE WIRE ANCHOR AND DROVE ABOUT 18 FEET WITH THE CABLE ATTACHED TO HER REAR AXLE OF HER TRUCK CAUSING THE DOMINION POWER POLE TO BREAK. DRIVER #1 ADVISED SHE DID NOT SEE THE CABLE. THERE WAS AN 8 FOOT BRIGHT YELLOW COVER ON THE CABLE FOR DRIVERS TO OBSERVE. DRIVER #1 LEFT 18 FEET 11 INCHES OF ACCELERATION MARKS ON THE ROADWAY. DRIVER #1 WAS TRANSPORTED TO CORNWALL FOR A CHECK OUT AND LATER RELEASED. DRIVER #1 WAS CHARGED WITH RECKLESS DRIVING. WITNESS #1 ANASTASIA LOCRAFT #571-276-9169	3. Utility Pole	2. Shoulder	Non-Incapacitating Injury (B)	HARRISON STREET	39.11372	-77.56117	EAST MARKET STREET	injury crash	0	0	0	1.2. No
13	7/6/2017	13:14	Thu	9. Fixed Object - Off Road	VEHICLE 1 WAS TRAVELING EAST ON MARKET STREET IN THE AREA OF 210 EAST MARKET STREET, NE. DRIVER OF VEHICLE 1 STATED THAT HE "LOST CONTROL OF THE VEHICLE". VEHICLE 1 THEN LEFT THE ROADWAY STRIKING A VERIZON UTILITY POLE. THE POLE WAS BROKE IN HALF CAUSING APPROXIMATELY \$10,000 IN DAMAGE. VEHICLE 1 HAD APPROXIMATELY \$1,000.00 IN DAMAGE. A PORTION OF THE POLE FELL ON A FENCE OWNED BY AVIA AND ALAN RENSHAW. DAMAGE TO THE FENCE WAS ESTIMATED AT \$100.00. DRIVER OF VEHICLE 1 WAS TRANSPORTED FOR MINOR INJURIES.	3. Utility Pole	2. Shoulder	Non-Incapacitating Injury (B)	HARRISON STREET	39.11348	-77.56085	210 EAST MARKET STREET	injury crash	0	0	0	1.2. No

DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS cont'd.

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Pedestri an Fatality Count	Non Pedestri an Fatality	Pedestri an Injury Cnt	Non Pedestri an Injury Count	Work Zone Related
14	4/17/2015	18:14	Fri	2. Angle	VEHICLE ONE WHILE TRAVELING SOUTH BOUND OF LIBERTY STREET STOPPED FOR A STOP SIGN AT LOUDOUN STREET. VEHICLE ONE THEN STARTED TO CROSS OVER LOUDOUN STREET FAILING TO YIELD THE RIGHT OF FOR VEHICLE TWO WHICH WAS TRAVELING EAST BOUND ON LOUDOUN STREET CAUSING VEHICLE TWO TO STRIKE VEHICLE ONE. VEHICLE ONE SUSTAINED DAMAGE TO THE RIGHT FRONT AND REAR PASSENGER DOOR AND VEHICLE TWO HAD DAMAGE TO THE FRONT BUMPER AND HOOD.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	LIBERTY ST	39.1149	-77.5675	LOUDOUN ST	property damage crash	0	0	0	0	0.2. No
15	2/28/2015	13:25	Sat	2. Angle	THE DRIVER OF V1 WAS SITTING AT THE STOP SIGN WAITING TO PULL OUT ON TO LOUDOUN ST SW GOING EAST. THE DRIVER OF V1 STATED HE WAS LOOKING RIGHT TO SEE IF HE COULD PULL OUT. HADN'T SEEN ANY CARS HEADED WESTBOUND IN A WHILE, AND THOUGHT IT WAS SAFE TO PULL OUT. THE DRIVER OF V2 WAS TRAVELING WEST ON LOUDOUN ST WHEN THE DRIVER OF V1 PULLED OUT INTO THE ROADWAY CAUSING THE TWO VEHICLES TO CRASH. THE VEHICLES PULLED OVER AND THE DRIVER OF V2 COMPLAINED OF PAIN IN THE KNEES, BUT REFUSED RESCUE. NO VEHICLE WERE TOWED.	20. Motor Vehicle In Transport	1. On Roadway	Possible Injury (C)	WIRT ST SW	39.11469	-77.56663	LOUDOUN ST SW	injury crash	0	0	0	0	2.2. No
15	8/7/2015	13:23	Fri	2. Angle	DRIVER #2 WAS TRAVELING WEST ON LOUDOUN STREET IN THE AREA OF WIRT ST. DRIVER #1 WAS STOPPED (FACING SOUTH) ON WIRT ST AT THE STOP SIGN WITH THE INTERSECTION OF LOUDOUN ST. DRIVER #1'S VISION WAS OBSCURED BY VEHICLES PARKED ON LOUDOUN ST. DRIVER 1 ATTEMPTED TO PULL OUT ONTO LOUDOUN ST AS DRIVER #2 WAS PASSING THROUGH THE INTERSECTION WITH WIRT ST. DRIVER #1 STRUCK THE PASSENGER SIDE OF DRIVER #2.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	LOUDOUN STREET	39.11468	-77.56664	WIRT STREET	property damage crash	0	0	0	0	0.2. No
15	1/6/2016	12:45	Wed	2. Angle	DRIVER OF VEHICLE 1 STATED THAT SHE STOPPED AT THE STOP SIGN FOR SOUTH BOUND WIRT STREET, AT THE INTERSECTION FOR LOUDOUN STREET. DRIVER 1 STATED THAT SHE LOOKED BUT DID NOT SEE ANY VEHICLES APPROACHING THE INTERSECTION, SO SHE DECIDED TO CROSS OVER AND CONTINUE DRIVING SOUTH BOUND ON WIRT STREET. THE DRIVER OF VEHICLE 2 STATED THAT SHE DID NOT SEE VEHICLE 1 STOP AT THE STOP SIGN. DRIVER 2 STATED THAT SHE WAS DRIVING EAST BOUND ON LOUDOUN ST SW WHEN HER VEHICLE COLLIDED WITH VEHICLE 1. DRIVER OF VEHICLE 2 STATED THAT SHE WAS DRIVING AT APPROXIMATELY 25 MPH AT THE TIME OF THE ACCIDENT.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	WIRT ST SW	39.11466	-77.56666	LOUDOUN ST SW	property damage crash	0	0	0	0	0.2. No
16	11/8/2016	13:55	Tue	4. Sideswipe - Same Direction	VEHICLE #2 WAS PARKED IN A LOADING ZONE FROM THE FEDEX COMPANY. DRIVER #1 MADE A RIGHT TURN AND GOT TOO CLOSE TO VEHICLE #2. THERE WAS NO DAMAGE TO VEHICLE #2. DRIVER #1 WAS NOT CHARGED.	20. Motor Vehicle In Transport	7. In Parking Lane or Zone	No Injury (O)	SOUTH KING STREET	39.11431	-77.56522	LOUDOUN STREET	property damage crash	0	0	0	0	0.2. No
17	9/17/2015	12:07	Thu	2. Angle	VEHICLE # 2 WAS TRAVELING WEST BOUND ON LOUDOUN ST. THE DRIVER OF VEHICLE # 1 WAS ATTEMPTING TO PULL ONTO LOUDOUN ST FROM A PRIVATE DRIVEWAY. BOTH DRIVERS HAD THEIR VIEW OBSTRUCTED BY A PARKED (LARGE) SUV ON LOUDOUN ST. THE DRIVER OF VEHICLE # 1 PULLED ONTO LOUDOUN ST, STRIKING THE PASSENGER SIDE OF VEHICLE # 2.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	S KING ST	39.11388	-77.56413	LOUDOUN ST	property damage crash	0	0	0	0	0.2. No

DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS cont'd.

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Pedestri an Fatality Count	Non Pedestri an Fatality	Pedestri an Injury Cnt	Non Pedestri an Injury Count	Work Zone Related					
17	8/4/2014	14:37	Mon	4. Sideswipe - Same Direction	V2 WAS PARKED IN A PARKING SPOT ACROSS FROM 21 LOUDOUN STREET SE FACING WEST BOUND WHEN IT WAS STRUCK BY V1. V2 IS A SILVER IN COLOR MAZDA MPV WITH VA TAG # JLD-2574. V2 ESTIMATED DAMAGE \$1000. DAMAGE TO DRIVER SIDE FROM REAR QUARTER PANEL TO THE DRIVER SIDE SLIDING DOOR. ALSO, THE DRIVER SIDE DOOR MIRROR WAS DAMAGED. THE SUSPECT VEHICLE FLEW THE SCENE AFTER STRIKING V2, BUT WAS DESCRIBED AS A WHITE BOX TRUCK. V1 WAS TRAVELING WEST BOUND WHEN IT FAILED TO MAINTAIN PROPER CONTROL AND STRUCK V2 THAT WAS PARKED IN A LEGAL SPACE. A PARTIAL SUSPECT TAG OF 44610 THROUGH MARYLAND WITH SOME UNKNOWN LETTERS IN BETWEEN THE 1ST AND 2ND FOUR. HOWEVER, NO COMBINATION OF LETTERS COULD BE COMBINED TO GET A POSSIBLE SUSPECT TAG. LPD DISPATCH UTILIZED WIN ASSIST WITH NEGATIVE RESULTS. V1 FLEW THE SCENE HEADING WEST BOUND AND WAS UNABLE TO BE RELOCATED.	6. Parked Vehicle	7. In Parking Lane or Zone	No Injury (O)	21 LOUDOUN ST SE	39.11388	-77.56389	21 LOUDOUN STREET SE	property damage crash	0	0	0	0	0	0	0	0		
17	9/3/2014	11:50	Wed	4. Sideswipe - Same Direction	V1 TRAVELING WEST BOUND ON LOUDOUN STREET SE. V1 CAME THROUGH A CONSTRUCTION AREA. THERE WERE VEHICLES PARKED ON THE RIGHT SIDE OF THE ROAD ON LOUDOUN ST SE. TRAFFIC WAS COMING EASTBOUND AS WELL AS WESTBOUND ON LOUDOUN ST SE. THE TRAVEL LANES ON LOUDOUN ST SE WERE VERY TIGHT TO MANUEVER. V1 STRUCK THE LEFT REARVIEW MIRROR OF V2 WHICH WAS PARKED BRAKING THE MIRROR. V1 PROCEEDED WESTBOUND AND ATTEMPTED TO STOP TO LEAVE INSURANCE INFORMATION. V1 WHILE PULLING INTO A PARTIAL PARKING SPACE SIDE SWIPED V3 WHICH WAS PARKED CAUSING PAINT TRANSFER TO V3. V1 SUSTAINED \$3000 IN DAMAGE. V2 APPROXIMATELY \$6000 IN DAMAGE. V3 APPROXIMATELY \$1100 IN DAMAGE. A CASE NUMBER WAS LEFT FOR THE DRIVER OF V3 BUT HAVE NOT HEARD FROM THE DRIVER TO GATHER INSURANCE INFORMATION. INITIALLY THIS WAS A HIT AND RUN BUT THE DRIVER OF V1 DID MAKE CONTACT WITH HER INSURANCE COMPANY AS WAS AS LPD. THE DRIVER OF V1 ADVISED SHE ATTEMPTED TO RETURN TO THE SCENE TO LEAVE INSURANCE INFORMATION BUT V2 HAD LEFT THE AREA.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	SOUTH KING ST	39.11387	-77.56377	EAST LOUDOUN ST SE	property damage crash	0	0	0	0	0	0	0	0	0	0
17	10/23/2014	11:28	Thu	4. Sideswipe - Same Direction	VEHICLES # 3 AND # 2 WERE LEGALLY PARKED IN MARKED PARKING SPACES. THE DRIVER OF VEHICLE # 1 DROVE TO THE RIGHT SIDE OF THE ROADWAY, STRIKING VEHICLE # 2 AND STRIKING VEHICLE # 3.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	S KING ST	39.1142	-77.56486	11 LOUDOUN ST SE	property damage crash	0	0	0	0	0	0	0	0		
17	7/16/2016	18:22	Sat	4. Sideswipe - Same Direction	VEHICLE ONE WAS TRAVELING WESTBOUND ON LOUDOUN STREET AND HAD JUST PASSED THE INTERSECTION WITH CHURCH STREET. DRIVER OF THE VEHICLE INTENDED TO PARK THE VEHICLE IN THE RIGHT SIDE OF THE ROAD AT A METERED PARKING SPOT IN FRONT OF ANOTHER VEHICLE THAT HAD ALREADY BEEN PARKED THERE UNOCCUPIED. AS THE DRIVER OF VEHICLE ONE SLOWED DOWN, AND BEGAN ENTERING THE PARKING SPOT, SHE STRUCK THE REAR DRIVER'S SIDE OF THE UNOCCUPIED VEHICLE WITH THE PASSENGER SIDE FRONT OF HER VEHICLE. THERE WERE NO INJURIES AND VEHICLE ONE WAS TOWED DUE TO THE FRONT RIGHT SIDE DAMAGE SUSTAINED.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	CHURCH STREET	39.11389	-77.56357	LOUDOUN STREET	property damage crash	0	0	0	0	0	0	0	0	0	
18	6/26/2016	18:10	Sun	2. Angle	V2 WAS STOPPED FACING SOUTH AT THE INTERSECTION OF CHURCH ST AND LOUDOUN ST. WHEN V2 ACCELERATED FROM THE STOP SIGN TO TURN EAST ONTO LOUDOUN ST. D1 FAILED TO YIELD TO V2 TURNING AND ACCELERATED TO TRY TO DRIVE AROUND V2. WHILE D1 WAS TRYING TO ACCELERATE AROUND V2, V1 STRUCK V2 ON THE REAR PASSENGER DOOR IN THE INTERSECTION OF LOUDOUN ST AND CHURCH ST.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	CHURCH ST SE	39.11381	-77.56357	LOUDOUN ST SE	property damage crash	0	0	0	0	0	0	0	0	0	0
19	12/1/2014	9:15	Mon	1. Rear End	DRIVER #1 AND DRIVER #2 WERE BOTH TRAVELING EAST ON LOUDOUN STREET. DRIVER #2 WAS STOPPED MAKING A LEFT TURN TO GO INTO THE COUNTY PARKING GARAGE WHEN DRIVER #1 STRUCK DRIVER #2 IN A REAR END COLLISION.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	CHURCH STREET SE	39.11364	-77.56297	LOUDOUN STREET	property damage crash	0	0	0	0	0	0	0	0	0	

DOWNTOWN BUSINESS AREA - VEHICLE ACCIDENTS cont'd.

Int. or Loc.	Crash Date	Crash Time	Day Of Week	Collision Type	Crash Description	First Harmful Event	First Harmful Event Location	KABCO Severity Code	Secondary Location	Latitude	Longitude	Route Or Street Name	Crash Severity	Pedestri an Fatality Count	Pedestri an Injury Cnt	Non Pedestri an Injury Count	Work Zone Related			
19	7/28/2015	11:00	Tue	1. Rear End	VEHICLE # 2 WAS STOPPED IN A MARKED TRAVEL LANE, WAITING TO TURN LEFT INTO THE COUNTY PARKING GARAGE. THE DRIVER OF VEHICLE # 1 TOOK HIS EYES OFF OF THE ROADWAY FOR A SECOND, STRIKING THE REAR END OF VEHICLE # 2. DRIVER # 2 WAS TRAVELING WEST ON LOUDOUN STREET. DRIVER # 1 WAS ATTEMPTING TO MAKE A LEFT TURN FROM A PRIVATE PARKING LOT TO GO EAST ON LOUDOUN STREET. DRIVER # 2 HAD STOPPED IN THE TRAVEL PORTION OF THE ROADWAY CAUSING DRIVER # 2 TO APPLY HER BRAKES AND DUE TO THE SLICK PAVEMENT FROM SNOW STRUCK DRIVER # 1 IN AN ANGLE COLLISION.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	HARRISON ST SE	39.11358	-77.56277	107 LOUDOUN ST	property damage crash	0	0	0	0	2. No		
19	11/26/2014	10:35	Wed	2. Angle	DRIVER # 1 AND DRIVER # 2 WERE BOTH TRAVELING EAST ON LOUDOUN STREET. DRIVER # 2 HAD STOPPED FOR A VEHICLE MAKING A LEFT TURN ONTO HARRISON STREET WHEN DRIVER # 1 STRUCK DRIVER # 2 IN A REAR END COLLISION. DRIVER # 1 WAS CHARGED WITH FOLLOWING TOO CLOSE.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	HARRISON STREET	39.11355	-77.56261	LOUDOUN STREET	property damage crash	0	0	0	0	2. No		
20	8/24/2016	10:40	Wed	1. Rear End	ON AUGUST 31, 2016 AT 1321 HOURS, V1 AND V2 WERE TRAVELING WEST BOUND ON LOUDOUN ST SE APPROACHING A CROSSWALK. V2 CAME TO A COMPLETE STOP TO ALLOW A PEDESTRIAN TO CROSS. V1 WAS NOT PAYING ATTENTION AT THAT TIME AND REAR ENDED V2. V1 HAD APPROXIMATELY \$3,000 WORTH OF DAMAGE TO THE REAR OF THE VEHICLE. V1 WAS CHARGED WITH RECKLESS DRIVING DUE TO HIS ACTIONS.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	HARRISON STREET	39.11338	-77.562	LOUDOUN STREET	property damage crash	0	0	0	0	0	2. No	
20	8/31/2016	13:21	Wed	1. Rear End	VEHICLE # 3 STOPPED ON HARRISON STREET BECAUSE OF A PEDESTRIAN THAT CROSSED IN FRONT OF THEM. VEHICLE # 2 CAME TO A STOP BEHIND VEHICLE # 3 AS WELL BECAUSE OF THE PEDESTRIAN. VEHICLE # 1 WAS EASTBOUND ON LOUDOUN STREET BEHIND BOTH VEHICLES. THE DRIVER OF VEHICLE # 1 BECAME DISTRACTED BY REACHING FOR THEIR COFFEE AND SUBSEQUENTLY DID NOT STOP IN TIME BEFORE STRIKING VEHICLE # 2 FROM BEHIND. VEHICLE # 2 WAS PUSHED FORWARD AND STRUCK VEHICLE # 3 FROM BEHIND.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	HARRISON ST SE	39.11336	-77.56176	LOUDOUN ST SE	property damage crash	0	0	0	0	0	0	2. No
20	5/4/2017	8:51	Thu	1. Rear End	V1 WAS TRAVELING EASTBOUND ON LOUDOUN ST SE JUST PASSED HARRISON ST SE. THE RIGHT SIDE VIEW MIRROR OF V1 STRUCK THE LEFT SIDE VIEW MIRROR OF V2 WHICH WAS LEGALLY PARKED ON THE RIGHT SIDE OF THE ROADWAY. V2 WAS UNOCCUPIED. MINOR DAMAGE DONE TO EITHER VEHICLE.	6. Parked Vehicle	1. On Roadway	Possible Injury (C)	HARRISON ST SE	39.1133	-77.56177	LOUDOUN ST SE	injury crash	0	0	0	0	1.2. No		
21	12/1/2016	11:14	Thu	4. Sideswipe - Same Direction	VEHICLE # 2 WAS STOPPED AT A YIELD SIGN ON E MARKET ST, WAITING TO MERGE ONTO LOUDOUN ST SE. THE DRIVER OF VEHICLE # 1 WAS INITIALLY IN THE LEFT TURN LANE TO TURN ONTO LOUDOUN ST SE. AT THE LAST MINUTE, THE DRIVER OF VEHICLE # 1 ATTEMPTED TO CHANGE LANES AND STRUCK THE RIGHT REAR AREA OF VEHICLE # 2.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	LOUDOUN ST SE	39.11276	-77.55966	E MARKET ST	property damage crash	0	0	0	0	0	2. No	
22	3/18/2016	12:20	Fri	1. Rear End	DRIVER # 1 AND DRIVER # 2 WERE BOTH TRAVELING EAST ON EAST MARKET STREET. DRIVER # 2 HAD STOPPED FOR A PEDESTRIAN WHEN DRIVER # 1 STRUCK DRIVER # 2 IN A REAR END COLLISION. DRIVER # 1 WAS CHARGED WITH FOLLOWING TOO CLOSE.	20. Motor Vehicle In Transport	1. On Roadway	No Injury (O)	LOUDOUN STREET	39.11277	-77.55991	EAST MARKET STREET	property damage crash	0	0	0	0	0	2. No	
22	7/21/2016	18:10	Thu	1. Rear End	V1 WAS MAKING A LEFT ONTO LOUDOUN ST FROM E. MARKET ST HEADING WEST. V2 WAS HEADING EAST ON E. MARKET ST. V1 HAD THE YIELD TO TURN LEFT. D1 STARTED TO PROCEED THROUGH THE INTERSECTION AS D2 APPROACHED. D1 WAS UNABLE TO CLEAR THE INTERSECTION BEFORE STRIKING V2. WITNESS ON SCENE STATED THAT HE WAS BEHIND V1 WHEN SHE PROCEEDED THROUGH THE INTERSECTION AND WITNESSED D1 HIT HER BRAKES HALF WAY THROUGH THE INTERSECTION.	20. Motor Vehicle In Transport	1. On Roadway	Non-Incapacitating Injury (B)	LOUDOUN ST	39.11287	-77.5599	E MARKET ST	injury crash	0	0	0	0	0	2.2. No	

Note: Highlighted accident due to excessive speed by one of the motorists involved.

**APPENDIX D
AAA STUDY EXCERPT
AND
NHTSA DATA**



Car crashes rank among the leading causes of death in the United States

Impact Speed and a Pedestrian's Risk of Severe Injury or Death

September 2011



Abstract

The relationship between impact speed and a pedestrian's risk of death has been studied extensively; however, past studies of data from the United States are now several decades old. Older studies of data from the United States may not be generalizable to the present situation because of changes in the composition of the walking population, vehicle design, and medical care over the past several decades. Similarly, the ability to generalize from recent European studies to the United States is unclear due to differences in the types and sizes of vehicles driven in Europe versus in the United States.

This study estimates of the risk of severe injury or death for pedestrians struck by vehicles in the United States using data from a federal study of crashes that occurred in the United States in years 1994 – 1998 in which a pedestrian was struck by a forward-moving car, light truck, van, or sport utility vehicle. The data were weighted to correct for oversampling of pedestrians who were severely injured or killed. Logistic regression was used to adjust for potential confounding related to pedestrian and vehicle characteristics. Risks were standardized to represent the average risk for a pedestrian struck by a car or light truck in the United States in years 2007 – 2009.

Results show that the average risk of severe injury for a pedestrian struck by a vehicle reaches 10% at an impact speed of 16 mph, 25% at 23 mph, 50% at 31 mph, 75% at 39 mph, and 90% at 46 mph. The average risk of death for a pedestrian reaches 10% at an impact speed of 23 mph, 25% at 32 mph, 50% at 42 mph, 75% at 50 mph, and 90% at 58 mph. Risks vary significantly by age. For example, the average risk of severe injury or death for a 70-year-old pedestrian struck by a car travelling at 25 mph is similar to the risk for a 30-year-old pedestrian struck at 35 mph.

These results could be used to inform efforts to improve pedestrian safety, for example, by limiting traffic speeds to levels that are unlikely to result in severe injury or death in places where pedestrians and vehicles may encounter one another, creating physical separation of pedestrians and vehicles in places where higher traffic speeds are desired, and developing vehicle-based systems that detect pedestrians and warn the driver or brake automatically when a collision is imminent.

2009 NHTSA DATA

Item a.

State	Number	Person Type					Total Killed	Percent						
		Driver Percent	Passenger Percent	Pedestrian Percent	Pedalcyclist Percent	Other/Unknown Percent								
Alabama	538	63.4	162	19.1	76	9	64	7.5	6	0.7	2	0.2	848	100
Alaska	27	42.2	18	28.1	7	10.9	9	14.1	2	3.1	1	1.6	64	100
Arizona	317	39.3	194	24.1	121	15	118	14.6	25	3.1	31	3.8	806	100
Arkansas	364	61.1	114	19.1	71	11.9	37	6.2	5	0.8	5	0.8	596	100
California	1297	42	690	22.3	394	12.8	567	18.3	99	3.2	43	1.4	3090	100
Colorado	234	50.3	82	17.6	88	18.9	47	10.1	10	2.2	4	0.9	465	100
Connecticut	115	51.3	37	16.5	45	20.1	26	11.6	1	0.4	0	0	224	100
Delaware	55	47.4	26	22.4	14	12.1	15	12.9	6	5.2	0	0	116	100
District of Columbia	6	20.7	4	13.8	4	13.8	14	48.3	0	0	1	3.4	29	100
Florida	1099	42.9	454	17.7	413	16.1	467	18.2	107	4.2	20	0.8	2560	100
Georgia	730	56.5	240	18.6	140	10.8	152	11.8	21	1.6	9	0.7	1292	100
Hawaii	40	36.7	15	13.8	35	32.1	16	14.7	3	2.8	0	0	109	100
Idaho	118	52.2	57	25.2	34	15	10	4.4	7	3.1	0	0	226	100
Illinois	459	50.4	190	20.9	130	14.3	112	12.3	19	2.1	1	0.1	911	100
Indiana	386	55.7	136	19.6	111	16	50	7.2	7	1	3	0.4	693	100
Iowa	229	61.7	70	18.9	49	13.2	21	5.7	2	0.5	0	0	371	100
Kansas	226	58.5	86	22.3	47	12.2	22	5.7	5	1.3	0	0	386	100
Kentucky	511	64.6	148	18.7	86	10.9	41	5.2	5	0.6	0	0	791	100
Louisiana	441	53.5	157	19.1	103	12.5	108	13.1	13	1.6	2	0.2	824	100
Maine	99	62.3	25	15.7	24	15.1	11	6.9	0	0	0	0	159	100
Maryland	271	49.4	83	15.1	69	12.6	114	20.8	10	1.8	2	0.4	549	100
Massachusetts	166	48.8	66	19.4	55	16.2	46	13.5	6	1.8	1	0.3	340	100
Michigan	442	50.7	177	20.3	109	12.5	118	13.5	19	2.2	7	0.8	872	100
Minnesota	220	52.3	96	22.8	52	12.4	42	10	10	2.4	1	0.2	421	100
Mississippi	440	62.9	145	20.7	47	6.7	58	8.3	10	1.4	0	0	700	100
Missouri	519	59.1	199	22.7	87	9.9	68	7.7	2	0.2	3	0.3	878	100
Montana	140	63.3	39	17.6	26	11.8	15	6.8	1	0.5	0	0	221	100
Nebraska	155	69.5	41	18.4	15	6.7	9	4	3	1.3	0	0	223	100
Nevada	101	41.6	58	23.9	42	17.3	35	14.4	6	2.5	1	0.4	243	100
New Hampshire	54	49.1	26	23.6	21	19.1	8	7.3	1	0.9	0	0	110	100
New Jersey	253	43.3	93	15.9	65	11.1	158	27.1	13	2.2	2	0.3	584	100
New Mexico	184	51	93	25.8	40	11.1	39	10.8	3	0.8	2	0.6	361	100
New York	460	39.7	204	17.6	155	13.4	308	26.6	29	2.5	2	0.2	1158	100
North Carolina	734	55.9	256	19.5	154	11.7	146	11.1	16	1.2	7	0.5	1313	100
North Dakota	88	62.9	40	28.6	7	5	4	2.9	1	0.7	0	0	140	100
Ohio	554	54.2	189	18.5	166	16.2	85	8.3	19	1.9	9	0.9	1022	100
Oklahoma	426	57.8	158	21.4	108	14.7	32	4.3	11	1.5	2	0.3	737	100
Oregon	199	52.8	80	21.2	53	14.1	35	9.3	8	2.1	2	0.5	377	100
Pennsylvania	675	53.7	216	17.2	204	16.2	134	10.7	15	1.2	12	1	1256	100
Rhode Island	31	37.3	17	20.5	19	22.9	16	19.3	0	0	0	0	83	100
South Carolina	512	57.3	170	19	108	12.1	89	10	11	1.2	4	0.4	894	100
South Dakota	75	57.3	33	25.2	16	12.2	4	3.1	0	0	3	2.3	131	100
Tennessee	568	57.6	212	21.5	122	12.4	71	7.2	9	0.9	4	0.4	986	100
Texas	1641	52.9	625	20.1	429	13.8	350	11.3	48	1.5	11	0.4	3104	100
Utah	119	48.8	70	28.7	30	12.3	19	7.8	5	2	1	0.4	244	100
Vermont	49	66.2	11	14.9	8	10.8	5	6.8	0	0	1	1.4	74	100
Virginia	437	57.7	154	20.3	77	10.2	74	9.8	11	1.5	5	0.7	758	100
Washington	243	49.4	108	22	70	14.2	59	12	9	1.8	3	0.6	492	100
West Virginia	230	64.4	79	22.1	26	7.3	21	5.9	0	0	1	0.3	357	100
Wisconsin	319	56.9	108	19.3	84	15	38	6.8	7	1.2	5	0.9	561	100
Wyoming	74	55.2	42	31.3	13	9.7	2	1.5	2	1.5	1	0.7	134	100
USA	17670	52.2	6793	20	4469	13.2	4109	12.1	628	1.9	214	0.6	33883	100

2018 NHTSA DATA

Item a.

State	Number	Person Type					Total Killed	Percent						
		Driver Percent	Passenger Number	Passenger Percent	Pedestrian Number	Pedestrian Percent			Pedalcyclist Number	Pedalcyclist Percent	Other/Unknown Number	Other/Unknown Percent		
Alabama	593	62.2	156	16.4	82	8.6	107	11.2	9	0.9	6	0.6	953	100
Alaska	36	45	17	21.3	12	15	14	17.5	0	0	1	1.3	80	100
Arizona	405	40.1	167	16.5	156	15.4	236	23.3	24	2.4	23	2.3	1011	100
Arkansas	310	59.6	77	14.8	66	12.7	62	11.9	4	0.8	1	0.2	520	100
California	1493	39.3	599	15.8	523	13.8	978	25.8	165	4.3	40	1.1	3798	100
Colorado	297	47	120	19	103	16.3	89	14.1	22	3.5	1	0.2	632	100
Connecticut	132	45.1	51	17.4	49	16.7	59	20.1	1	0.3	1	0.3	293	100
Delaware	47	42.3	17	15.3	17	15.3	23	20.7	6	5.4	1	0.9	111	100
District of Columbia	5	16.1	3	9.7	8	25.8	11	35.5	3	9.7	1	3.2	31	100
Florida	1224	39	434	13.8	575	18.3	706	22.5	161	5.1	35	1.1	3135	100
Georgia	804	53.4	250	16.6	154	10.2	262	17.4	30	2	5	0.3	1505	100
Hawaii	27	23.1	10	8.5	34	29.1	42	35.9	2	1.7	2	1.7	117	100
Idaho	132	56.4	43	18.4	38	16.2	17	7.3	2	0.9	2	0.9	234	100
Illinois	544	52.6	177	17.1	119	11.5	166	16	24	2.3	5	0.5	1035	100
Indiana	463	53.8	136	15.8	117	13.6	114	13.3	22	2.6	8	0.9	860	100
Iowa	199	62.4	48	15	43	13.5	22	6.9	7	2.2	0	0	319	100
Kansas	241	59.5	63	15.6	65	16	28	6.9	5	1.2	3	0.7	405	100
Kentucky	422	58.3	117	16.2	95	13.1	73	10.1	10	1.4	7	1	724	100
Louisiana	388	50.3	108	14	79	10.2	164	21.3	29	3.8	3	0.4	771	100
Maine	82	60.3	23	16.9	23	16.9	6	4.4	2	1.5	0	0	136	100
Maryland	225	43.9	85	16.6	62	12.1	131	25.6	6	1.2	3	0.6	512	100
Massachusetts	175	49.3	39	11	58	16.3	77	21.7	4	1.1	2	0.6	355	100
Michigan	504	51.6	161	16.5	143	14.6	142	14.5	21	2.1	6	0.6	977	100
Minnesota	206	54.1	60	15.7	59	15.5	42	11	7	1.8	7	1.8	381	100
Mississippi	403	60.8	123	18.6	41	6.2	89	13.4	6	0.9	1	0.2	663	100
Missouri	543	59	159	17.3	113	12.3	95	10.3	2	0.2	9	1	921	100
Montana	115	63.5	28	15.5	21	11.6	15	8.3	2	1.1	0	0	181	100
Nebraska	130	56.5	53	23	23	10	24	10.4	0	0	0	0	230	100
Nevada	139	42.2	40	12.2	58	17.6	79	24	8	2.4	5	1.5	329	100
New Hampshire	82	55.8	23	15.6	28	19	9	6.1	2	1.4	3	2	147	100
New Jersey	224	39.8	93	16.5	53	9.4	173	30.7	18	3.2	2	0.4	563	100
New Mexico	165	42.1	86	21.9	46	11.7	83	21.2	11	2.8	1	0.3	392	100
New York	391	40.6	119	12.3	152	15.8	268	27.8	30	3.1	4	0.4	964	100
North Carolina	761	53	239	16.6	191	13.3	224	15.6	18	1.3	3	0.2	1436	100
North Dakota	62	59	19	18.1	16	15.2	6	5.7	2	1.9	0	0	105	100
Ohio	597	55.9	168	15.7	145	13.6	127	11.9	22	2.1	9	0.8	1068	100
Oklahoma	377	57.6	106	16.2	91	13.9	60	9.2	16	2.4	5	0.8	655	100
Oregon	230	45.8	99	19.7	85	16.9	77	15.3	9	1.8	2	0.4	502	100
Pennsylvania	624	52.4	178	15	165	13.9	197	16.6	18	1.5	8	0.7	1190	100
Rhode Island	22	37.3	10	16.9	18	30.5	7	11.9	1	1.7	1	1.7	59	100
South Carolina	563	54.3	141	13.6	141	13.6	165	15.9	23	2.2	3	0.3	1036	100
South Dakota	74	56.9	29	22.3	16	12.3	10	7.7	0	0	1	0.8	130	100
Tennessee	551	53	174	16.7	168	16.2	136	13.1	8	0.8	3	0.3	1040	100
Texas	1868	51.2	651	17.8	416	11.4	616	16.9	69	1.9	28	0.8	3648	100
Utah	122	46.9	50	19.2	47	18.1	36	13.8	3	1.2	2	0.8	260	100
Vermont	40	58.8	15	22.1	7	10.3	6	8.8	0	0	0	0	68	100
Virginia	458	55.9	127	15.5	100	12.2	118	14.4	12	1.5	5	0.6	820	100
Washington	242	44.9	98	18.2	80	14.8	99	18.4	16	3	4	0.7	539	100
West Virginia	167	56.8	59	20.1	39	13.3	22	7.5	5	1.7	2	0.7	294	100
Wisconsin	348	59.1	93	15.8	83	14.1	56	9.5	4	0.7	5	0.8	589	100
Wyoming	69	62.2	21	18.9	15	13.5	6	5.4	0	0	0	0	111	100
USA	18321	49.7	5962	16.2	5038	13.7	6374	17.3	871	2.4	269	0.7	36835	100