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Date:	5/26/2023
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Subject:	Maryland Avenue Road Diet Analysis - After Study

INTRODUCTION

The purpose of this memorandum is to document current conditions, including traffic volumes, travel time, speeds, and crash data, along the Maryland Ave corridor in Wilmington, Delaware, following completion of a recently constructed road diet. A road diet feasibility study was conducted in 2016 to determine if pedestrian access through the corridor and to transit facilities could be improved by reconfiguring the existing road geometry. Construction of the project began in 2019 and was completed in 2021. The objective of the current study is to determine whether and how volumes, speeds, travel times, and crash patterns have changed with the implementation of the road diet.

STUDY AREA

The study area (see **Figure 1**) includes the 3.3-mile segment of Maryland Ave from James St, within Newport City Limits at the western end, to MLK Jr Blvd, within Wilmington City Limits at the eastern end. The study area includes 26 signalized intersections along the length of the corridor. Prior to construction, the typical section of Maryland Ave included a 4-lane undivided roadway for the full length of the study corridor. Between James St and Broom St, the roadway is owned and maintained by DelDOT. Prior to construction, there were wide outside shoulders that were occasionally used for parking at some locations along the DelDOT portion of the corridor. Within the Wilmington City limits, there were no existing outside shoulders. In that portion of the corridor, the rightmost lane was used as a parking lane during the off-peak periods; specifically, allowing parking along westbound Maryland Ave in the AM peak and along eastbound Maryland Ave in the PM peak. Parking in the peak direction of travel was prohibited during each peak (eastbound in the AM and westbound in the PM); however, parking restrictions were not always enforced, and motorists were often observed parking in the right-most travel lane during restricted times, which blocked through traffic from using the right-most lane in the vicinity of the parked vehicle.

The road diet reconfiguration was implemented throughout a portion of the full length of the study corridor, between Race St and Beech St, a distance of approximately 1.0 mile, as shown in **Figure 2**. Following the reconfiguration, the typical section along Maryland Ave now includes one (1) lane in each direction with a two-way left turn lane between Race St and Broom St (DelDOT portion); and one (1) lane in each direction with full-time parking on both sides of the roadway between Broom St and Beech St (Wilmington portion). Along the DelDOT portion, the existing wide shoulders were maintained. Within Wilmington City limits,



a bike lane is provided between the travel lane and the parking area in the westbound direction. The eastbound travel lane serves both motorists and bicyclists and is marked with a "sharrow."

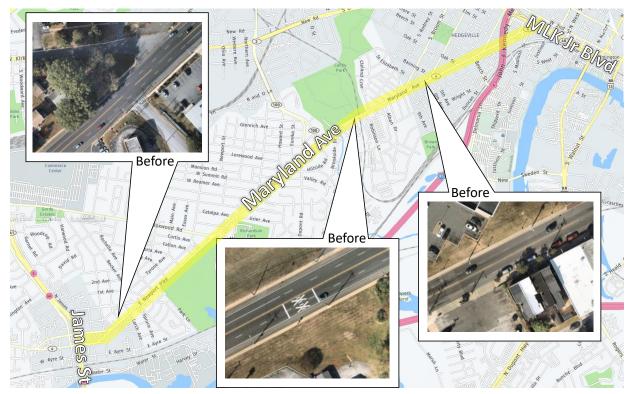


Figure 1: Study area between James St and MLK Jr Blvd



Figure 2: Road diet reconfiguration between Race St and Beech St



Traffic Volumes

"Before" and "After" traffic volumes were obtained using two methodologies: DelDOT Vehicle Volume Summaries (or count books) accessed from DelDOT's interactive Gateway database, and system loop data at the intersections where sensor data was available. Traffic volumes for the "before" period were only available via the DelDOT Gateway counts; system loop data prior to construction were not available.

The "Before" count book volume data from 2015 was compared to the "After" 2021 DelDOT Gateway count data. The data, summarized in **Figure 3**, indicates that traffic increased by 22% near the Newport City Limits on the western end of the study segment from 2015 to 2021; yet recent volumes were within approximately 3% of the "before" volumes in the most recent 2021 count data for the remainder of the corridor. The volumes decreased slightly, by up to 3%, between Boxwood Rd and Broom St, and increased by less than 2% between Broom St and MLK Jr Blvd within the Wilmington City Limits on the eastern end of the study segment.

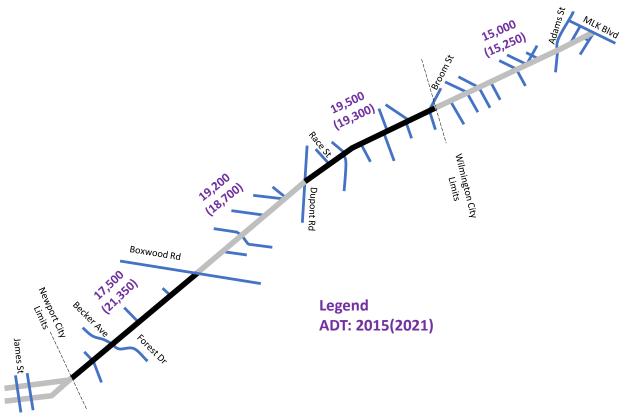


Figure 3: 2015 & 2021 ADT data along Maryland Ave

System loop data was collected at four intersections along Maryland Ave as part of the "After" study, once construction of the road reconfiguration had been completed. Those intersections were located at Dupont Rd, Race St, Broom St, and the I-95 NB Ramp. Two full days of weekday data (Tuesday and Wednesday) were collected at 15-minute increments for a 24-hour period on Tuesday, September 6 and Wednesday, September 7, 2022. The data included volume along both directions of Maryland Ave. Over the two-day period, not all system loops were operational in both directions. To filter out the incomplete data, the segment between Race St and Broom St was used to explore the hourly distribution along Maryland Ave.



Maryland Ave Road Diet Analysis - After Study

Figure 4, below, shows the daily trend for the eastbound and westbound average hourly volume over the two-day period within the segment along Maryland Ave between Race St and Broom St. Although traffic volumes change day-to-day, generally the hourly trends shown in Figure 4 are expected to remain relatively constant throughout the week, with a peak of traffic in the morning heading eastbound toward Wilmington, a peak of traffic in the evening heading westbound toward more residential areas, and volumes fluctuating throughout the day. Consistent with recent post-pandemic trends seen throughout the state and country, the diurnal graph also shows an uptick in volumes during the mid-day period.

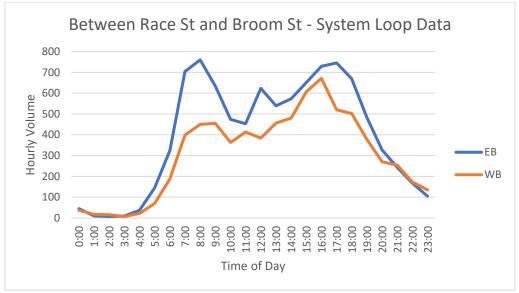


Figure 4: System loop data at Broom St (WB) and Race St (EB)

Travel Times

Travel time data was collected in both the "Before" and "After" period from James St to MLK Jr Blvd in the eastbound direction and from the intersection of Monroe St and MLK Jr Blvd onto Maryland Ave to James St in the westbound direction. To capture the typical commute along the corridor, travel time runs were conducted in the AM and PM peak periods, from 6:30-8:30 AM and 4:30-6:30 PM.

The "Before" study data was collected in April 2016 over three separate days: April 20, April 21, and April 27. A total of 8 runs in each direction were collected in the AM peak, and a total of 9 runs were made in each direction in the PM peak.

Travel time runs were conducted again on September 8, 2022 to collect data for the "After" study, once the road reconfiguration had been completed. A total of 4 runs in each direction were collected during the AM peak, and a total of 5 runs in each direction were made in the PM peak. Travel time data is summarized in **Table 1**.

The travel time data indicate that in the morning peak period, travel times decreased by approximately 3.5% following the road diet reconfiguration. Factors that may be contributing to the reduction in travel time during the AM peak period include less volume in the portion of the road that was reconfigured, as well as the implementation of a dedicated parking lane in both directions of travel. The new parking lane removed the occasional bottlenecks and friction in traffic that had previously occurred when motorists had to change

lanes to avoid an illegally parked vehicle. In both the Before and After periods, the eastbound direction was the peak travel direction in the AM peak period, and the eastbound trips had a longer travel time than the westbound direction.

The data indicate that in the evening peak period, travel times increased by less than 5% in the eastbound direction, but increased more substantially, by 24%, in the westbound direction following the road diet reconfiguration. Longer travel times during the "After" period were anticipated due to the reduction in roadway capacity that occurred when one of the through lanes was eliminated in each direction. Throughout the 3.3-mile segment, travel times increased by approximately 30 seconds in the eastbound direction and by approximately 2 minutes in the westbound direction during the PM peak period.

	AM Travel Ti	mes (seconds)	PM Travel Times (seconds)				
	EB	EB WB		WB			
2016	593.1	562.3	606.6	458.4			
2022	572.8	542.8	635.4	568.8			
Difference	-20.3	-19.5	+28.8	+110.4			
% Diff.	-3.4%	-3.5%	+4.7%	+24%			

Speeds

Vehicle speeds were measured in two ways; via GPS during the travel time data collection, and spot speed studies at two locations as part of the "After" study. The posted speed limit varies along the corridor, as shown in **Figure 5**. In the eastbound direction, the speed limit is 30 mph near the Newport City limits, then increases to 40 mph between Becker Ave / Forest Drive, before decreasing back to 30 mph between Boxwood Road and Race St. Continuing east from Race St, the speed limit increases again to 35 mph east of Race St, then decreases again to 25 mph within Wilmington City limits. When the road diet was evaluated during the operational feasibility study in 2016, it was assumed that a consistent 30 mph speed limit would be adopted as part of the road diet project; however, the posted speed limits throughout the corridor have not changed between 2016 and 2022.

The average travel speeds over the length of the corridor were calculated from the travel time runs for both the "Before" and "After" periods. During the 2016 travel time runs, motorists typically averaged approximately 20 mph in both directions during the AM peak period, and between 20 mph (eastbound) and 25 mph (westbound) during the PM peak period. These average travel speeds account for the frequent stopping at traffic signals, switching lanes for illegally parked vehicles during the "Before" period, waiting for pedestrians, and delays due to congestion during the peak period. During the 2022 travel time runs, the speed data indicated that motorists were able to travel slightly faster in both directions during the morning peak period, but slightly slower in the evening peak period. With the elimination of frequent lane switching due to the permanent parking lane and bike lane, motorists make fewer unexpected stops. Speed data from the travel time runs are summarized in **Table 2**.



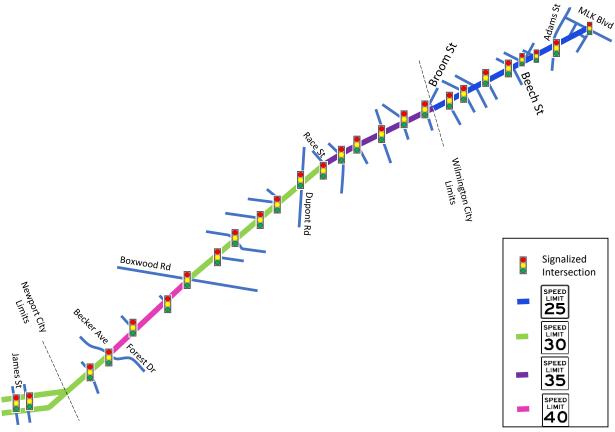


Figure 5: Posted Speed Limit

	A	M	PM		
	EB	WB	EB	WB	
2016	20.0 mph	20.7 mph	19.6 mph	25.4 mph	
2022	20.8 mph	21.4 mph	18.8 mph	20.4 mph	
Difference	Faster 0.8 mph	Faster 0.7 mph	Slower 0.8 mph	Slower 5.0 mph	
% Diff.	+4%	+3%	-4%	-20%	

Table 2: Speed Data Collected During Travel Time Run	lS
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Spot speed studies were conducted during the off-peak period to capture free-flow conditions in both directions of travel during the "After" period. Speeds were collected in two locations; west of Robinson Ln, within the segment that includes a two-way left turn lane (DelDOT portion), and west of Cedar St, within the segment with dedicated parking lanes on each side (Wilmington portion). The posted speed limit west of Robinson Ln is 35 mph. Over 80% of motorists traveled within the 10-mph pace speed range, which included the posted speed limit, near Robinson Ln, with an 85th percentile speed of 34 mph eastbound and 38 mph westbound. The posted speed limit west of Cedar St is 25 mph. Over 85% of motorists traveled within the 10-mph pace speed range during the off-peak spot speed study near Cedar St within Wilmington City limits, with an 85th percentile speed of 29 mph eastbound and 32 mph westbound. The eastbound 10-mph pace range was centered around the 25-mph posted speed limit, while the westbound 10-mph pace range was generally above the posted speed limit at the spot speed study location near Cedar St. Overall, the observed speed data indicates motorists generally comply with the posted speed limit. Speed data from the spot speed studies are summarized in **Table 3**.



(Obtained only during the "After" study period)								
	W of Rob	oinson Ln	W of Cedar St					
Location	Two-Way Le	eft Turn Lane	Parking & Bicycle Lane					
	EB	WB	EB	WB				
Posted Speed Limit	35 mph	35 mph	25 mph	25 mph				
85 th Percentile	34 mph	38 mph	29 mph	32 mph				
Average Speed	31 mph	34 mph	26 mph	29 mph				
10 MPH Pace Speed	25-34 mph	28-37 mph	20-29 mph	25-34 mph				
% in Pace	86%	80%	86%	87%				

Table 3: Spot Speed Data(Obtained only during the "After" study period)

Crash Data

Crash data was collected along Maryland Ave from Dupont Rd to Sycamore St / Jackson St for two periods: between January 1, 2016 and December 31, 2018 (representing the "Before" period) and between January 1, 2022 and December 31, 2022 (representing the "After" period). No fatalities were reported in either data collection period.

A total of 320 crashes were reported along the segment during the "Before" period between 2016 and 2018, prior to the road reconfiguration, including 86 total injury crashes and 234 total property damage only crashes. Over 100 total crashes occurred each year. The most prominent crash type each was a rear-end collision, accounting for approximately 42% of all crashes. The following trends were identified as part of the 3-year "Before" study period:

- Rear-end crashes were the most common type of crash with approximately 44 crashes per year on average (42%)
- Angle crashes were the second most common type of crash with approximately 28 crashes per year on average (27%)
- Sideswipe crashes in the same direction and opposite direction were totaled as the third most common type of crash with approximately 17 crashes per year on average (17%)
 - A total of 42 sideswipe crashes occurred in the same direction
 - A total of 11 sideswipe in the crashes occurred opposite direction
- The majority of crashes (206 crashes, 64%) occurred during daylight
- More than half of reported crashes (240 crashes, 75%) occurred during the afternoon/night between 12 PM and 12 AM
 - The hour with the most crashes (43 crashes, 13%) was between 4PM and 5PM
- The majority of crashes (253 crashes, 79%) occurred when the weather was clear
- There were 19 alcohol-related crashes (6%)
- A total of 7 pedestrian-related crashes and 2 bicycle-related crashes occurred throughout the segment within the data collection period

The summary of crashes for the "Before" period is included in Table 4.



Crash Deta	ils	2016	2017	2018	Total	Annual Avg
	Fatal	0	0	0	0	0
Severity	Injury	23	33	30	86	28.7
	PDO	82	79	73	234	78
	Rear-End	47	43	43	133	44.3
Collision	Angle	32	31	22	85	28.3
Туре	Sideswipe	16	18	19	53	17.7
	Non-Motorist	2	6	1	9	3
	Daylight	68	66	72	206	68.7
	Dark – Lighted	27	38	24	89	29.7
Light	Dark – Not Lighted	3	0	4	7	2.3
Light	Dark – Unknown Lighting	0	1	1	2	0.7
	Dusk/Dawn	3	3	2	8	2.7
	Other/Unknown	4	4	0	8	2.7
Surface	Dry	81	90	82	253	84.3
	Snow/Wet/Ice	24	22	21	67	22.3
Total		105	112	103	320	106.7

 Table 4: "Before" Period Crash Data (2016-2018)

A total of 94 crashes were reported along the segment during the "After" period in 2022, after the road reconfiguration was completed, including 19 injury crashes and 75 property damage only crashes. The following trends were identified as part of the one-year "After" study period:

- Rear-end crashes were the most common type of crash (44%), accounting for a slightly higher percentage of total crashes compared to the "Before" period
- Sideswipe crashes in the same direction and opposite direction were totaled as the second most common type of crash (24%) during the "After" period, accounting for a slightly higher percentage of total crashes compared to the "Before" period
 - A total of 18 sideswipe crashes occurred in the same direction
 - A total of 5 sideswipe crashes occurred in the opposite direction
- Angle crashes were the third most common type of crash (16%), yet accounted for a slightly lower percentage of total crashes compared to the "Before" period
- The majority of crashes (64 crashes, 68%) occurred during daylight
- More than half of reported crashes (68 crashes, 72%) occurred during the afternoon/night between 12 PM and 12 AM
 - However, the hour with most crashes (9 crashes, 10%) occurred between 8AM-9AM
- The majority of crashes (85 crashes, 90%) occurred when the weather was clear
- There was 1 alcohol-related crash (1%)
- There was 1 pedestrian-related crash and 1 bicycle-related crash throughout the segment within the data collection period

The summary of crashes during the "After" period is included in Table 5.



Crash Details	¥	2022
	Fatal	0
Severity	Injury	19
	PDO	75
	Rear-End	41
Collision	Angle	15
Туре	Sideswipe	23
	Non-Motorist	2
	Daylight	64
	Dark – Lighted	20
Light	Dark – Not Lighted	3
Light	Dark – Unknown Lighting	0
	Dusk/Dawn	2
	Other/Unknown	5
Surface	Dry	85
Surface	Snow/Wet/Ice	9
Total		94

 Table 5: "After" Period Crash Data (in 2022)
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The number of crashes that occurred in 2022, following completion of the road reconfiguration (94 crashes), was less than the 3-year average between 2016 and 2018, prior to construction (approximately 107 crashes per year, on average), a reduction of 13 crashes per year. The most prominent crash pattern remained as rear-end collisions, which would be expected along an urban collector with many signalized intersections and driveways. However, angle collisions, which were the second most common crash type before the reconfiguration, decreased from an annual average of 28 crashes per year to 15 crashes in 2022. This decrease was potentially the result of new exclusive left turn lanes (Wilmington portion) and a new two-way left turn lane (DeIDOT portion), which provides better protection for left-turning vehicles as they wait to find gaps in opposing traffic, or possibly the result of opposing traffic being accommodated in a single through lane rather than two through lanes. Angle collisions are typically more likely to result in injury or fatality compared to rear-end or sideswipe crashes, and the proportion of injury crashes was lower in 2022 compared to the 3-year average between 2016 and 2018. The number of sideswipe crashes increased from 17 per year during the before period to 23 in 2022. The number of pedestrian and bicycle crashes decreased in 2022 (2 total) compared to the 3-year average before the road diet (9 total, 3 per year on average).

Sub-Corridor Studies

In addition to evaluating the changes to conditions (volumes, speeds, travel times, and crashes) along the entire length of the Maryland Ave study corridor, several sub-corridor studies have been completed, either during construction or shortly after completion of the road diet reconfiguration, in response to constituent concerns at specific locations in the study area. These concerns and the actions taken to address them are summarized below.

Maryland Ave between the Canby Park Shopping Center and Yale Rd

In July 2021, the Cleland Heights HOA reached out to DelDOT through their local elected official to express concerns about the location of turning arrows in the two-way left turn lane near the Canby Park Shopping Center, as well as vehicles using the bicycle lanes near Yale Rd. At the time



of the request, the road diet reconfiguration was under construction and there were both temporary markings and permanent markings visible for a period of time. Additionally, field evaluations following completion of the road diet in January 2022 indicated that the proposed dotted lane line extensions through the McGovern Terr / Alban Dr intersection and dotted bicycle lane extensions through the Yale Rd intersection had not been installed. The following actions were taken to address the concerns between the Canby Park Shopping Center and Yale Rd:

- The temporary markings were eliminated by October 2021
- Dotted lane line extensions at McGovern Terrace / Alban Drive and dotted bicycle lane extensions through Yale Rd were installed in April 2022

Maryland Ave at Robinson Ln / Clayton Rd

In April 2022, another citizen contacted DelDOT with concerns that westbound vehicles were making illegal left turns onto Robinson Ln. Field observations were conducted in June 2022 and no illegal left turns were observed. However, signing and striping improvements were identified in Fall 2022 to help avoid potential driver confusion within the two-way left turn lane, particularly for motorists attempting to access the gas station on the south side of Maryland Ave. The following actions were taken, or are planned, to address the concerns:

- DelDOT installed additional signage to further reinforce the message that left turns from westbound Maryland Ave onto Robinson Ln are prohibited
- During the 2023 pavement marking installation season that is currently underway, DelDOT will remove and install pavement markings as follows:
 - Remove visible white dotted lane line markings from the old lane configuration
 - Install new turn lane extension markings to indicate the path of travel for eastbound Maryland Ave vehicles turning left to Clayton Rd
 - Shift the end of the two-way left turn lane further west to allow motorists on westbound Maryland Ave vehicles to legally turn left into the eastern-most gas station driveway
 - o Re-install hatched markings in the painted median near the gas station
- The DelDOT Transportation Management Center (TMC) is reviewing the yellow and red signal timings for all movements

Maryland Ave between Robinson Ln / Clayton Rd and Broom St

In February 2023, the Cleland Heights / Latimer Estates Civic Association raised concerns about the potential for head-on collisions in the two-way left turn lane, signal timings that "trap" residents entering or exiting side streets, and motorists exiting their lane to bypass queues at traffic signals. Field observations were conducted using drone video in March 2023 during the AM and PM peak hours. Generally, motorists who traveled in the two-way left turn lane were using it appropriately: they typically did not enter when there were opposing motorists also trying to use the two-way left turn lane, they pulled their vehicle completely into the two-way left turn lane to wait for a gap in traffic, and they did not block traffic in the through lanes. However, the following behaviors and number of occurrences were observed during the two hours of observations.



Behavior	Number of Occurrences Observed
Motorist using bike lane, right-turn lane, opposite-direction travel lane, or painted median to bypass queue	11
Westbound motorist using eastbound left turn lane to turn left into gas station or onto Robinson Ln	5
Motorist stopped within the intersection between Clayton Rd and Robinson Ln	4
Eastbound motorist using westbound left turn lane to turn left onto McGovern Terr	1

Table 6: Summary of Inappropriate Behaviors Observed

Motorists turning left from eastbound Maryland Ave onto Clayton Rd would sometimes stop in the middle of the intersection between Clayton Rd and Robinson Ln; however, the sufficient storage space and an additional signal head on the far side of the intersection allows motorists to wait and know when to proceed on a green signal. Although the left turn movement from eastbound Maryland Ave to McGovern Terr is not currently prohibited, the path of left-turning eastbound vehicles overlaps with the marked turning path for left-turning westbound motorists bound for Alban Dr. There were relatively few occurrences of motorists using the opposing direction left turn lane or exiting their lane to bypass queues (11 occurrences in two 1-hour periods). Examples of the above behaviors are shown below.



Figure 6: Eastbound and westbound motorists simultaneously navigating two-way left turn lane (appropriate behavior)





Figure 7: Eastbound motorist (circled in yellow) traveling in two-way left turn lane and successfully navigating around westbound left-turning motorist (circled in blue) waiting in two-way left turn lane for gap (appropriate behavior)



Figure 8: Eastbound left-turning motorist using westbound left turn lane to turn left onto McGovern Terr



Figure 9: Westbound left-turning motorist illegally using eastbound left turn lane to make an illegal left turn onto Robinson Ln





Figure 10: Motorist using right-turn lane and bike lane to pass queued vehicles at Robinson Ln



Figure 11: Southbound right-turning motorist made illegal right turn on red arrow and subsequently stopped between Robinson Rd and Clayton Rd without signal head to indicate when to proceed



Figure 12: Northbound left-turning motorist exiting gas station in the middle of the intersection between Robinson Ln and Clayton Rd

Other observed behaviors that were not mentioned explicitly by the civic association included motorists using the painted median to turn left into the gas station near Robinson Ln / Clayton Rd, motorists making illegal turns or cutting through parking lots at the Broom St intersection, and motorists making illegal left turns from the Canby Park Shopping Center. Examples of these behaviors are shown below:





Figure 13: Vehicles using painted median to turn left into the gas station near Robinson Ln / Clayton Dr

As discussed previously, when pavement marking improvements near the intersection of Maryland Ave and Robinson Ln / Clayton Dr are installed later this year, the two-way left turn lane will be extended further west to allow westbound left turns into the gas station. This may reduce the number of westbound motorists turning into the western entrance from the eastbound left turn lane.



Figure 14: Eastbound left-turning motorists using restaurant parking lot to avoid waiting at red arrow at Broom St



Figure 15: Westbound motorist making illegal right turn at Broom St





Figure 16: Motorist exiting shopping center on wrong side of median



Figure 17: Motorist making illegal left turn from shopping center exit's channelized right-turn exit

While some motorists did travel in the two-way left turn lane longer than necessary, use the opposite-direction left-turn lane to turn left, exit their lane to bypass queues using an auxiliary lane or the bike lane, or stop in the intersection between Clayton Rd and Robinson Ln, these occurrences were very infrequent compared to the hundreds of motorists that successfully navigated the roadway segment without issues or disobeying traffic regulations during the observation period. Illegal maneuvers at Broom St and left turns from the Canby Park Shopping Center are not related to the road diet and were likely occurring prior to implementation of the road diet. A full list of the observed behaviors and number of occurrences is included as an attachment.

There are several potential action items that DelDOT may wish to consider to address the observed behaviors:

- The recently completed improvements (combined with additional pavement marking improvements that DelDOT will implement soon) at the intersection of Maryland Ave and Clayton Rd / Robinson Ln are expected to address westbound left-turning motorists using the eastbound left turn lane at that intersection.
- To address eastbound left-turning motorists using the marked westbound left-turn lane at the Alban Dr / McGovern Terr intersection: Install solid double yellow centerline and white lane line pavement markings to better define the westbound left-turn lane at the Alban Dr intersection beyond the existing crosswalk; install lane-use arrows to further



delineate where motorists should wait to turn left from Maryland Ave onto Alban Dr or McGovern Terr; and replace the dotted lane extensions with solid centerlines and lane lines just beyond the stop bar at the McGovern Terrace intersection.

- A rendering of the proposed pavement markings at this location is attached. These improvements are recommended as a short-term improvement.
- At the Broom St intersection, there are two restricted movements: 1) the right turn from westbound Maryland Ave onto Broom St, and 2) the left-turn from Broom St onto eastbound Maryland Ave. Despite these turn restrictions, motorists were observed making both prohibited maneuvers.
 - It is recommended that the westbound Maryland Ave right turn prohibition be removed. Motorists have demonstrated that they are able to safely turn right into Broom St and Latimer Pl. This could reduce the number of motorists using the parking lot to turn right.
 - Removing the southbound Broom St left turn prohibition at the Broom St intersection was considered but is not recommended for the following reasons:
 - The signal timing would need to be revised to address pedestrian clearance and yellow and all-red clearance times, creating additional delay at this intersection. It would also impact progression along Maryland Avenue, creating additional delay at upstream and downstream signals.
 - Allowing left turns onto Broom Street may not eliminate the use of the parking lot for left turns, especially when a queue is present.
 - The signal infrastructure that was installed as part of the recent roadway reconfiguration would need to be replaced, including new signal heads.

Due to the scale of these changes and limited expected benefits to modify motorist behavior, these modifications are not recommended at this time.

- Several of the observed behaviors described previously involved motorists entering or exiting Maryland Ave via private property. While the provision of improvements on private property is outside of DelDOT's jurisdiction, it is recommended that DelDOT inform the property owners about the observed behaviors. It would ultimately be up to the property owners to address concerns at these locations, most likely through DelDOT's Development Coordination process:
 - At the Sunoco gas station between Robinson Ln and Clayton Rd motorists were observed using the western-most parking lot access point to turn left onto Maryland Ave in the middle of the intersection.
 - At the Broom St intersection, motorists were observed using the restaurant parking lot as a cut-through to avoid waiting for the exclusive left-turn phase at the Broom St intersection.
 - At the Canby Park Shopping Center motorists were observed driving on the wrong side of the driveway median and making illegal left turns onto westbound Maryland Ave.
- In response to questions and concerns about how to safety enter and exit Maryland Ave, it is recommended that DelDOT provide educational materials to HOA representative(s) of the Cleland Heights / Latimer Estates communities. Suggested educational materials include a link to DelDOT's Road Diet/Roadway Reconfiguration projects page



(<u>https://deldot.gov/Programs/DSHSP/reports /Road-diet/</u>) and FHWA's instructions on safely using two-way left-turn lanes: https://safety.fhwa.dot.gov/ped_bike/docs/b_2way.pdf

Summary

The roadway reconfiguration on the Maryland Ave corridor in Wilmington, Delaware was implemented to improve safety for all road users by reducing the number of travel lanes and re-purposing those lanes to provide improved pedestrian access along the corridor and to transit, as well as bicycle facilities. Construction of the project began in 2019 and was completed in 2021. Spot improvements have also been implemented in 2022 in response to specific citizen concerns.

Traffic volumes were generally similar from 2015 to 2021 for the majority of the corridor, with slightly higher volumes along the segments nearest the Wilmington and Newport City limits, and lower volumes in 2021 on the DelDOT maintained portion between the two cities, compared to 2015 volumes.

Changes in average travel times and speeds varied by peak period and direction. During the morning peak period, motorists travel faster, resulting in shorter travel times, in 2022 compared to 2016. During the evening peak period, average speeds are slower and travel times are longer in both directions in 2022 compared to 2016, with larger increases in travel time in the westbound direction than the eastbound direction. Because capacity has been reduced by removing a through lane, an increase in travel time is expected with slower speeds during the evening peak period as the highest volumes enter the network.

The number of injury crashes decreased between the "Before" and "After" study, decreasing from 27% of all crashes between 2016 - 2018 to 20% of all crashes in 2022. The most prominent crash type during both the "Before" and "After" periods were rear-end collisions. Although sideswipe crashes have increased with the road reconfiguration, angle crashes have decreased. Non-motorist crashes, including pedestrians and bicyclists, have also decreased slightly, indicating improved safety for non-motorists.

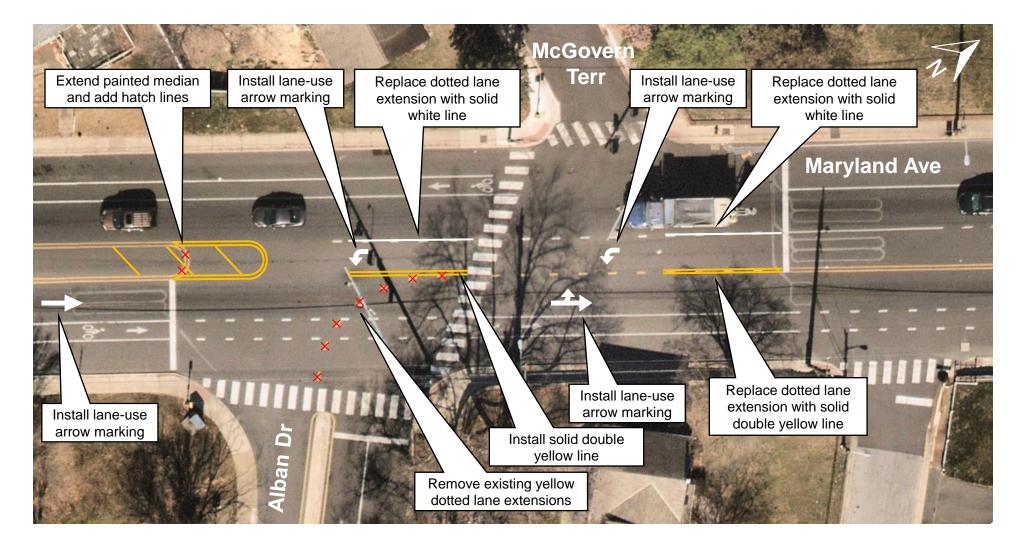
There have been several spot improvements implemented since the completion of the road diet in 2022 in response to citizen concerns and follow-up studies. Additional pavement marking improvements at the intersection of Maryland Ave and Robinson Ln / Clayton Dr will be implemented when the weather allows in 2023. Finally, in response to the most recent concerns expressed by the Cleland Heights / Latimer Estates Civic Association, this memorandum also presents several potential improvements that DelDOT may wish to consider to address motorist behavior along Maryland Ave between Robinson Ln / Clayton Rd and Broom St.

Attachments

- Rendering of proposed pavement markings at Alban Dr / McGovern Terr
- Crash Data
 - o 2016-2018 "Before" Study
 - o 2022 "After" Study
- Travel Time Results
 - o 2016 "Before" Study
 - o 2022 "After" Study



- Spot Speed Study Results
 - o 2022 "After" Study
- March 2023 Drone Observations Summary



Proposed Conditions



Existing Conditions

Delaware Crash Analysis Reporting System

Crash Study Time Period: Query Type: Description: Study Requested By: Study Generated By: Number of Crashes: Includes Non-Reportable Crashes: Study Code: 01/01/2016 - 12/31/2018 AdvancedQueryTool Traffic Study Stephanie Everett (RKK) TDTSCJM 320 N



State of Delaware Crash Study

Sumr	Classification			Manner of Impact			
	# of Crashes		# of	% of Total		# of	% of Total
Total Crashes	320		Crashes			Crashes	Crashes
Fatal Crashes	0	Non-	0	0.00%	Front to rear	133	41.56%
Total Alcohol-	19	Reportable	234	72 120/	Front to front	9	2.81%
Related Crashes		Reportable		73.13%	Angle	86	26.88%
Total Non Alcohol- Related Crashes	301	Personal Injury	86	26.88%	Sideswipe, same	42	13.13%
Total Fatalities	0	Fatality	0	0.00%	direction		0.750/
Total Pedestrian Fatalities	0	Total	320		Sideswipe, opposite direction	12	3.75%
Total Pedestrian Injuries	10				Rear to side	1	0.31%
Total Pedestrian	10				Rear to rear	0	0.00%
Crashes	10				Other	4	1.25%
Total Motorcycle	8				Unknown	8	2.50%
Crashes Total Pedalcyclist	4				Not a collision between two	25	7.81%
Crashes					vehicles		
					Total	320	
		Alcohol Relate	d Crashes	By Classificatio	on		
	Non-reportable	Reportab	ole F	Personal Injury	Fatality		Total
Alcohol Related	0	13		6	0		19
Non-Alcohol Related	0	221		80	0		301
Total	0	234		86	0		320
		Manner of	Impact By	Classification		-	
	Non-Reportable	Reportab	ole F	Personal Injury	Fatality		Total
Front to rear	0	101		32	0		133
Front to front	0	5		4	0		9
Angle	0	60		26	0		86
Sideswipe, same direction	0	41		1	0		42
Sideswipe, opposite direction	0	9		3	0		12
Rear to side	0	1		0	0		1
Rear to rear	0	0		0	0		0
Other	0	3		1	0		4
Unknown	0	7		1	0		8
Not a collision between two vehicles	0	7		18	0		25
Total	0	234		86	0		320

Day Of Week			Time Of Day (AM)			Time Of Day (PM)		
	# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
Sunday	30	9.38%	00:00 - 00:59	6	1.88%	12:00 - 12:59	14	4.38%
Monday	56	17.50%	01:00 - 01:59	3	0.94%	13:00 - 13:59	14	4.38%
Tuesday	53	16.56%	02:00 - 02:59	3	0.94%	14:00 - 14:59	20	6.25%
Wednesday	42	13.13%	03:00 - 03:59	1	0.31%	15:00 - 15:59	29	9.06%
Thursday	45	14.06%	04:00 - 04:59	1	0.31%	16:00 - 16:59	43	13.44%
Friday	48	15.00%	05:00 - 05:59	2	0.63%	17:00 - 17:59	34	10.63%
Saturday	46	14.37%	06:00 - 06:59	5	1.56%	18:00 - 18:59	19	5.94%
Total	320		07:00 - 07:59	16	5.00%	19:00 - 19:59	15	4.69%
			08:00 - 08:59	14	4.38%	20:00 - 20:59	22	6.88%
			09:00 - 09:59	8	2.50%	21:00 - 21:59	10	3.13%
			10:00 - 10:59	10	3.13%	22:00 - 22:59	16	5.00%
			11:00 - 11:59	11	3.44%	23:00 - 23:59	4	1.25%
			Total	80		Total	240	
						Unknown Time	0	
Su	rface Conditi	ons	Lig	hting Conditi	ons	We	ather Conditi	ons
	# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
Dry	253	79.06%	Daylight	206	64.38%	Clear	219	68.44%
Wet	54	16.88%	Dawn	2	0.63%	Cloudy	54	16.88%
Snow	3	0.94%	Dusk	6	1.88%	Fog, Smog,	0	0.00%
Ice/Frost	1	0.31%	Dark-Lighted	89	27.81%	Smoke		
Sand	0	0.00%	Dark-Not	7	2.19%	Rain	40	12.50%
Water (standing, moving)	1	0.31%	Lighted Dark- Unknown	2	0.63%	Sleet, Hail (freezing rain or drizzle)	1	0.31%
Slush	2	0.63%	Lighting		0.040/	Snow	5	1.56%
Oil	0	0.00%	Other	1	0.31%	Blowing	0	0.00%
Mud, Dirt,	0	0.00%	Unknown	7	2.19%	Snow	U	0.0070
Gravel	0	0.00%	Total	320		Severe	0	0.00%
Other	0	0.00%				Crosswinds		
Unknown Total	6 320	1.88%				Blowing Sand, Soil,	0	0.00%
	1		J			Dirt		
						Other	0	0.00%

Unknown

Total

6

325

1.88%

	First Harmful Event	
	# of Crashes	% of Total Crashes
Overturn/Rollover, Non-Collision	0	0.00%
Fire/Explosion, Non-Collision	0	0.00%
Immersion, Non-Collision	0	0.00%
Jackknife, Non-Collision	0	0.00%
Cargo/Equipment Loss or Shift, Non- Collision	0	0.00%
Fell/Jumped From Motor Vehicle, Non- Collision	1	0.31%
Thrown or Falling Object, Non-Collision	0	0.00%
Other Non-Collision, Non-Collision	0	0.00%
Pedestrian, Collision With Person, Motor Vehicle, or Non-Fixed Object	7	2.19%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	2	0.63%
Railway Vehicle (train, engine), Collision With Person, Motor Vehicle, or Non- Fixed Object	0	0.00%
Animal, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	260	81.25%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non- Fixed Object	12	3.75%
Struck by Anything Set in Motion by Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
Work Zone / Maintenance Equipment, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
Other Non-Fixed Object, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
Impact Attenuator/Crash Cushion, Collision With Fixed Object	1	0.31%
Bridge Overhead Structure, Collision With Fixed Object	0	0.00%
Bridge Pier or Support, Collision With Fixed Object	0	0.00%
Bridge Rail, Collision With Fixed Object	0	0.00%
Cable Barrier, Collision With Fixed Object	0	0.00%
Culvert, Collision With Fixed Object	0	0.00%
Curb, Collision With Fixed Object	6	1.88%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

Guardrail Face, Collision With Fixed Object	0	0.00%
Guardrail End, Collision With Fixed Object	1	0.31%
Concrete Traffic Barrier, Collision With Fixed Object	0	0.00%
Other Traffic Barrier, Collision With Fixed Object	0	0.00%
Tree (standing), Collision With Fixed Object	0	0.00%
Utility Pole, Collision With Fixed Object	0	0.00%
Light Support, Collision With Fixed Object	0	0.00%
Traffic Sign Support, Collision With Fixed Object	0	0.00%
Overhead Sign Support, Collision With Fixed Object	0	0.00%
Traffic Signal Support, Collision With Fixed Object	0	0.00%
Fence, Collision With Fixed Object	0	0.00%
Mailbox, Collision With Fixed Object	0	0.00%
Other Post, Pole or Support, Collision With Fixed Object	0	0.00%
Other Fixed Object (wall, building, tunnel, etc.), Collision With Fixed Object	3	0.94%
Illegally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non- Fixed Object	0	0.00%
Stopped Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	16	5.00%
Unknown, Collision With Fixed Object	11	3.44%
Total	320	

	Primary Contributing Circumstance	
	# of Crashes	% of Total Crashes
Speeding	2	0.63%
Failed to yield right of way	38	11.88%
Passed Stop Sign	7	2.19%
Disregard Traffic Signal	8	2.50%
Wrong side or wrong way	0	0.00%
Improper passing	1	0.31%
Improper lane change	23	7.19%
Following too close	33	10.31%
Made improper turn	7	2.19%
Driving under the influence	12	3.75%
Driver inattention, distraction, or fatigue	61	19.06%
Driving in a careless or reckless manner	29	9.06%
Driving in an aggressive manner	1	0.31%
Improper backing	2	0.63%
Other improper driving	2	0.63%
Mechanical defects	3	0.94%
Animal in Roadway - Deer	0	0.00%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	1	0.31%
Roadway circumstances - debris, holes, work zone,	1	0.31%
Other	11	3.44%
Unknown	71	22.19%
Total	313	

	Driver Action	
	# of Drivers	% of Total Crashes
No Contributing Action	282	46.77%
Failed to yield right of way	42	6.97%
Ran Red Light	6	1.00%
Ran Stop Sign	6	1.00%
Disregard other traffic sign	1	0.17%
Disregard other road markings	0	0.00%
Exceeded authorized speed limit	2	0.33%
Driving too fast for conditions	2	0.33%
Made an improper turn	15	2.49%
Improper backing	2	0.33%
Wrong side or wrong way	1	0.17%
Followed to closely	42	6.97%
Failure to keep in proper lane	21	3.48%
Ran off roadway	2	0.33%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	60	9.95%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non- motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	1	0.17%
Improper Passing	3	0.50%
Other Contributing Action	33	5.47%
Unknown	82	13.60%
Total	603	

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	: Inj	AL
2016															
01/25/2016	16:41	N	00336	5.19	5.19	Property Damage Only	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Wet	0	0	N
01/27/2016	16:05	N	00336	5.44	5.44	Property Damage Only	Front to rear	Stopped Motor Vehicle	Unknown	Daylight	Clear	Dry	0	0	N
01/29/2016	17:03	N	00336	5.63	5.63	Personal Injury Crash	Angle	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	2	N
02/06/2016	03:50	N	00336	5.25	5.25	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Not Lighted	Clear	Dry	0	0	N
02/06/2016	00:00	N	00336	5.37	5.37	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Dark-Not Lighted	Clear	Dry	0	0	N
02/06/2016	21:09	N	114520	0.15	0.15	Personal Injury Crash	Not a collision between two vehicles	Other Fixed Object (wall, building, tunnel, etc.)	Other	Dark-Lighted	Clear	Dry	0	1	N
02/10/2016	07:46	N	00336	5.38	5.38	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Snow	Wet	0	2	N
02/15/2016	16:45	N	114470	0	0.00	Property Damage Only	Front to rear	Stopped Motor Vehicle	Unknown	Daylight	Sleet, Hail (freezing rain or drizzle)	Slush	0	0	N
03/05/2016	00:28	N	00336	5.13	5.13	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Driving under the influence	Dark-Lighted	Cloudy	Dry	0	0	Y
03/09/2016	16:02	N				Personal Injury Crash	Front to rear	Stopped Motor Vehicle	Unknown	Daylight	Clear - Clear	Dry	0	3	N
03/11/2016	16:42	N	114500	0	0.00	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
03/13/2016	13:56	N	00336	5.37	5.37	Property Damage Only	Front to rear	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Daylight	Rain	Wet	0	0	N
03/29/2016	18:45	N	00336	5.2	5.20	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Dusk	Clear	Dry	0	0	N
03/30/2016	16:34	N	00336	5.64	5.64	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fa	: Inj	AL
2016															
03/30/2016	16:53	N	00336	5.65	5.65	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
04/01/2016	18:50	N	00336	5.63	5.63	Property Damage Only	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Cloudy	Wet	0	0	N
04/08/2016	14:00	N	00336	5.63	5.63	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
04/09/2016	13:39	N	00336	5.07	5.07	Personal Injury Crash	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Rain	Wet	0	1	Ν
04/10/2016	12:03	N	00336	5.51	5.51	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
04/12/2016	15:59	N	00336	5.17	5.17	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	N
04/15/2016	08:39	N	00336	5.44	5.44	Property Damage Only	Front to rear	Motor Vehicle in Transport	Mechanical defects	Daylight	Clear	Dry	0	0	Ν
04/23/2016	11:25	N	00336	5.19	5.19	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Rain	Wet	0	0	N
04/28/2016	15:34	N	114500	0	0.00	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Daylight	Cloudy	Dry	0	0	N
05/02/2016	14:36	N	00336	5.37	5.37	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Rain	Wet	0	0	N
05/06/2016	16:30	N	00336	5.27	5.27	Property Damage Only	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Rain	Wet	0	0	N
05/07/2016	11:42	N	00336	5.17	5.17	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Rain - Cloudy	Wet	0	0	N
05/12/2016	18:05	N	00336	5.62	5.62	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
05/13/2016	15:38	N	00336	5.99	5.99	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Made improper turn	Daylight	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2016															
05/13/2016	21:20	N				Property Damage Only	Front to front	Guardrail End	Driving in a careless or reckless manner	Dark-Lighted	Clear	Dry	0	0	Y
05/15/2016	21:36	N	114500	0	0.00	Property Damage Only	Not a collision between two vehicles	Motor Vehicle in Transport	Driving under the influence	Dark-Lighted	Clear	Dry	0	0	Y
05/27/2016	20:59	N	00336	5.1	5.10	Property Damage Only	Angle	Motor Vehicle in Transport	Driving under the influence	Dark-Lighted	Clear	Dry	0	0	Y
06/10/2016	15:22	N	00336	5.73	5.73	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N
06/19/2016	09:45	N	00336	5.61	5.61	Property Damage Only	Angle	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N
06/24/2016	21:18	N	00336	5.11	5.11	Property Damage Only	Angle	Motor Vehicle in Transport	Other improper driving	Daylight	Clear	Dry	0	0	N
07/05/2016	15:11	N	00336	5.27	5.27	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	0	N
07/11/2016	01:29	N	00336	5.73	5.73	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	0	Y
07/11/2016	11:49	N	00336	5.27	5.27	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
07/14/2016	00:00	N	00336	5.05	5.05	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Lighted	Clear	Dry	0	0	Y
07/08/2016	10:30	N	00336	5.2	5.20	Property Damage Only	Not a collision between two vehicles	Curb	Unknown	Unknown	Unknown	Unknown	0	0	N
07/18/2016	20:04	N	00336	5.49	5.49	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Wet	0	0	N
07/26/2016	07:38	N	00336	5.27	5.27	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
07/28/2016	22:57	N	00336	5.51	5.51	Property Damage Only	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Lighted	Rain	Wet	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	j AL
2016															
08/03/2016	14:23	N	00336	5.47	5.47	Property Damage	Angle	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	Ν
08/05/2016	22:05	N	00336	5.05	5.05	Property Damage	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Dark-Lighted	Cloudy	Dry	0	0	Ν
08/11/2016	00:53	N				Only	Not a collision between two vehicles	Curb	Driving under the influence	Dark-Lighted	Clear	Dry	0	0	Y
08/14/2016	17:29	N	114470	0	0.00	Property Damage I Only	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N
08/15/2016	16:52	N	00336	5.09	5.09		Sideswipe, same direction	Motor Vehicle in Transport	Other	Daylight	Clear	Dry	0	0	N
08/23/2016	17:27	N	00336	5.16	5.16	Property Damage I Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
08/23/2016	19:53	N	00336	5.51	5.51	Property Damage I Only	Front to rear	Motor Vehicle in Transport	Following too close	Dusk	Clear	Dry	0	0	N
09/07/2016	23:20	N	00336	5.5	5.50	Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	N
09/12/2016	00:15	N	00336	5.62	5.62	Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	N
09/16/2016	16:26	N	00336	5.38	5.38	Property Damage I Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
09/21/2016	15:55	N	00336	5.38	5.38	Personal Injury	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	1	N
09/28/2016	15:16	N	00336	5.52	5.52	Property Damage I Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Rain	Wet	0	0	N
09/30/2016	15:45	N	00336	5.34	5.34	Property Damage I Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Rain	Wet	0	0	N
10/06/2016	09:30	N	00336	5.44	5.44		Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	N
10/21/2016	15:14	N	00336	5.18	5.18	Property Damage I Only	Front to rear	Stopped Motor Vehicle	Following too close	Daylight	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2016															
11/02/2016	08:21	Ν	00336	5.17	5.17	Property Damage U Only	Jnknown	Legally Parked Motor Vehicle	Unknown	Unknown	Clear	Unknown	0	0	N
11/02/2016	18:22	Ν	00336	5.46	5.46	Property Damage A Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Lighted	Clear	Dry	0	0	N
11/07/2016	08:30	N	00336	5.18	5.18	Property Damage F Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
11/12/2016	18:38	N	00336	5.05	5.05		Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Dark-Lighted	Clear	Dry	0	0	N
11/15/2016	07:44	N	00336	5.18	5.18	Property Damage A	Angle	Motor Vehicle in Transport	Improper lane change	Daylight	Cloudy	Dry	0	0	N
11/26/2016	01:01	N	00336	5.49	5.49	Property Damage F Only	Front to rear	Motor Vehicle in Transport	Following too close	Dark-Not Lighted	Clear	Dry	0	0	N
11/30/2016	17:34	Ν	00336	5.59	5.59	Only c	Sideswipe, opposite direction	Motor Vehicle in Transport	Failed to yield right of way	Dark-Lighted	Rain	Wet	0	0	N
12/07/2016	08:54	N	00336	5.49	5.49	Property Damage F Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Cloudy	Wet	0	0	N
12/16/2016	17:50	N	114630	0	0.00	Property Damage A	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Lighted	Clear	Dry	0	0	N
12/21/2016	15:59	N	00336	5.2	5.20	Personal Injury A Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	N
12/22/2016	16:56	N	00336	5.18	5.18	Property Damage A	Angle	Motor Vehicle in Transport	Made improper turn	Dusk	Clear	Dry	0	0	N
01/05/2016	10:35	N	51222	0.57	0.57	Personal Injury F Crash	Front to rear	Unknown	Unknown	Daylight	Clear	Dry	0	1	N
01/20/2016	20:22	N	00336	6.09	6.09	Crash b	Not a collision between two vehicles	Pedestrian	Other	Dark-Lighted	Clear	Dry	0	1	N
01/31/2016	20:46	N	00336	5.85	5.85	Property Damage F Only	Front to rear	Stopped Motor Vehicle	Unknown	Dark-Lighted	Cloudy	Dry	0	0	N
02/12/2016	08:27	N				Personal Injury A Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	1	N
02/13/2016	10:00	N	00505	1.11	2.08	Property Damage F Only	Front to rear	Motor Vehicle in Transport	Improper backing	Daylight	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2016															
03/01/2016	06:42	N	00336	5.85	5.85	Personal Injury Crash	Angle	Motor Vehicle in Transport	Mechanical defects	Daylight	Clear	Dry	0	1	Ν
03/08/2016	15:20	N	00336	6.16	6.16	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	2	Ν
03/21/2016	15:50	N				Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	1	Ν
03/22/2016	05:52	N	00336	6.25	6.25	Personal Injury Crash	Angle	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	1	Ν
03/22/2016	13:32	N	00336	5.85	5.85	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	Ν
04/07/2016	16:42	N	00336	6.09	6.09	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	1	Ν
04/08/2016	22:39	N	00336	6.13	6.13	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	0	N
04/12/2016	07:41	N	00336	6.09	6.09	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Rain	Wet	0	0	Ν
04/18/2016	06:59	N	00336	6.19	6.19	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	Ν
05/04/2016	13:00	N	00336	6.09	6.09	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Cloudy	Dry	0	0	N
05/06/2016	20:35	N	00336	5.91	5.91	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Dark-Lighted	Rain	Wet	0	0	Ν
05/13/2016	05:23	N	00336	5.94	5.94	Property Damage Only	Front to rear	Legally Parked Motor Vehicle	Driver inattention, distraction, or fatigue	Dark-Lighted	Cloudy	Dry	0	0	N
05/22/2016	14:35	N	00336	6.12	6.12	Property Damage Only	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	0	0	Ν
05/28/2016	16:20	N				Personal Injury Crash	Front to front	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	2	Ν
06/09/2016	17:09	N	00336	6.02	6.02	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	Ν

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2016															
06/13/2016	14:22	N	00336	6.22	6.22	Personal Injury Crash	Angle	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	1	Ν
06/14/2016	09:16	N	00336	5.87	5.87	Property Damage Only	Front to rear	Motor Vehicle in Transport	Mechanical defects	Daylight	Clear	Dry	0	0	N
06/15/2016	18:11	N	00336	5.92	5.92	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	Ν
06/16/2016	16:11	N	00336	5.78	5.78	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	1	N
06/18/2016	20:07	N	00336	6.19	6.19	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	N
07/14/2016	17:44	N				Personal Injury Crash	Front to rear	Impact Attenuator/ Crash Cushion	Speeding	Daylight	Clear	Dry	0	2	N
08/13/2016	21:15	N	00336	5.85	5.85	Personal Injury Crash	Not a collision between two vehicles	Pedalcycle	Unknown	Dark-Lighted	Clear	Dry	0	1	N
09/13/2016	07:33	N	00336	5.89	5.89	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
09/23/2016	16:54	N	00336	6.2	6.20	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear - Clear	Dry	0	0	N
10/09/2016	22:43	N	51083	0	0.00	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Lighted	Cloudy	Dry	0	0	N
10/17/2016	23:48	N				Property Damage Only	Angle	Legally Parked Motor Vehicle	Driving under the influence	Daylight	Clear	Dry	0	0	Y
11/10/2016	17:50	N	00336	5.95	5.95	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Failed to yield right of way	Dark-Lighted	Clear	Dry	0	0	N
11/21/2016	17:45	N	00336	6.09	6.09	Property Damage Only	Angle	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	N
11/25/2016	12:21	N	00336	5.99	5.99	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy	Dry	0	1	N
12/05/2016	08:38	N	00336	5.89	5.89	Property Damage Only	Front to rear	Unknown	Unknown	Other	Cloudy	Wet	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2016					_	-									
12/17/2016	18:22	N				Personal Injury Crash	Front to rear	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Wet	0	1	Y
03/14/2016	18:30	N	114570	0	0.00	Personal Injury Crash	Angle	Motor Vehicle in Transport	Speeding	Daylight	Rain	Wet	0	1	N
2017															
01/05/2017	16:58	N	00336	5.69	5.69	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Lighted	Clear - Clear	Dry	0	0	Ν
01/08/2017	16:30	N	00336	5.09	5.09	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Cloudy	Dry	0	0	И
01/11/2017	11:41	N	00336	5.51	5.51	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	Ν
01/13/2017	12:24	N	113900	0	0.00	Personal Injury Crash	Front to front	Pedestrian	Unknown	Daylight	Clear	Dry	0	1	N
01/15/2017	10:00	N				Property Damage Only	Not a collision between two vehicles	Motor Vehicle in Transport	Unknown	Unknown	Unknown	Unknown	0	0	N
01/17/2017	17:40	N	00336	5.46	5.46	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Dark-Lighted	Rain	Wet	0	0	N
01/18/2017	16:57	N	114612	0	0.00	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy	Dry	0	0	Ν
02/06/2017	18:17	N	00336	5.05	5.05	Property Damage Only	Front to rear	Motor Vehicle in Transport	Improper lane change	Dark-Lighted	Clear	Dry	0	0	Ν
02/14/2017	20:37	N	00336	5.05	5.05	Personal Injury Crash	Not a collision between two vehicles	Pedestrian	Pedestrian	Dark-Lighted	Cloudy	Dry	0	1	N
03/10/2017	16:28	N	00336	5.34	5.34	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Wet	0	0	N
03/18/2017	13:11	N	00336	5.37	5.37	Personal Injury Crash	Other	Motor Vehicle in Transport	Improper lane change	Daylight	Cloudy	Dry	0	4	N
03/20/2017	02:45	N	00336	5.13	5.13	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Dark-Lighted	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2017															
03/26/2017	22:15	N	00336	5.55	5.55	Personal Injury Crash	Not a collision between two vehicles	Curb	Driving under the influence	Dark-Lighted	Rain	Wet	0	1	Y
03/29/2017	20:04	N	00336	5.63	5.63	Personal Injury Crash	Angle	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	3	Ν
04/06/2017	12:46	N	00336	5.08	5.08	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy - Rain	Wet	0	0	Ν
04/08/2017	22:30	N	00336	5.79	5.79	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving under the influence	Dark-Lighted	Clear	Dry	0	0	Y
04/15/2017	22:23	N	00336	5.19	5.19	Property Damage Only	Front to front	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Lighted	Cloudy	Dry	0	0	N
04/23/2017	13:45	N				Property Damage Only	Unknown	Legally Parked Motor Vehicle	Unknown	Daylight	Clear	Dry	0	0	Ν
05/15/2017	15:17	N	00336	5.59	5.59	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	1	Ν
05/16/2017	22:56	N	00336	5.63	5.63	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	1	Y
05/19/2017	16:24	N	113900	0	0.00	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	Ν
06/02/2017	14:55	N	00336	5.69	5.69	Property Damage Only	Angle	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	Ν
06/02/2017	17:24	N	00336	5.67	5.67	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	Ν
06/06/2017	15:36	N	00027	1.69	3.87	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N
07/05/2017	22:16	N	00336	5.61	5.61	Property Damage Only	Angle	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	Ν
07/18/2017	14:41	N	00336	5.18	5.18	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
07/21/2017	17:00	N	00336	5.04	5.04	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	j AL
2017			1												_,
07/31/2017	16:20	N	00336	5.22	5.22	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	0	N
08/05/2017	12:06	N	00336	5.61	5.61	Personal Injury Crash	Not a collision between two vehicles	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	1	N
08/05/2017	16:28	N	00336	5.41	5.41	Property Damage Only	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	0	N
08/07/2017	16:04	N	00336	5.51	5.51	Property Damage Only	Angle	Motor Vehicle in Transport	Unknown	Daylight	Clear	Wet	0	0	N
08/11/2017	16:40	Ν	00336	5.61	5.61	Property Damage Only	Front to rear	Motor Vehicle in Transport	Other	Daylight	Clear	Dry	0	0	N
08/15/2017	17:08	Ν	00336	5.08	5.08	Property Damage Only	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Rain	Wet	0	0	N
08/16/2017	14:50	N	00336	5.37	5.37	Personal Injury Crash	Angle	Pedalcycle	Other	Daylight	Clear	Dry	0	1	N
08/21/2017	11:54	N	00336	5.37	5.37	Property Damage Only	Front to rear	Stopped Motor Vehicle	Pedestrian	Daylight	Clear	Dry	0	0	N
09/13/2017	14:50	N	00336	5.72	5.72	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Cloudy	Wet	0	0	Ν
09/26/2017	19:22	Ν	00336	5.73	5.73	Personal Injury Crash	Not a collision between two vehicles	Motor Vehicle in Transport	Pedestrian	Dark-Lighted	Clear	Dry	0	1	N
10/01/2017	13:16	Ν	00336	5.61	5.61	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	Ν
10/09/2017	09:41	N				Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Rain	Wet	0	2	N
10/15/2017	12:54	Ν	114430	0	0.00	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	Y
10/28/2017	23:05	N	00336	5.19	5.19	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Following too close	Dark-Lighted	Clear	Dry	0	1	Y
10/30/2017	06:26	N	00336	5.37	5.37	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fa	t Inj	j AL
2017															
11/07/2017	18:50	Ν	00336	5.71	5.71	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Lighted	Rain	Wet	0	0	Ν
11/11/2017	18:19	Ν	00336	5.31	5.31	Personal Injury Crash	Angle	Motor Vehicle in Transport	Made improper turn	Dark-Lighted	Clear	Dry	0	3	Ν
11/18/2017	20:48	N	00498	0	0.00	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Lighted	Clear	Dry	0	0	Ν
11/28/2017	13:15	Ν	00336	5.62	5.62	Property Damage Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	Ν
11/28/2017	20:03	Ν	00336	5.08	5.08	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	Ν
12/09/2017	19:15	Ν	00336	5.49	5.49	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Dark-Lighted	Snow	Snow	0	0	Ν
12/15/2017	15:48	Ν	00336	5.49	5.49	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Snow	Snow	0	0	Ν
12/21/2017	16:28	N	114470	0	0.00	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Failed to yield right of way	Dusk	Clear	Dry	0	2	Ν
12/23/2017	09:14	Ν	00336	5.18	5.18	Property Damage Only	Front to rear	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Daylight	Rain	Wet	0	0	N
12/26/2017	16:12	N	00336	5.07	5.07	Property Damage Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	N
01/02/2017	12:52	N	00336	5.76	5.76	Personal Injury Crash	Front to rear	Stopped Motor Vehicle	Unknown	Daylight	Rain	Wet	0	1	N
01/09/2017	18:45	N	00336	6.19	6.19	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Following too close	Dark-Lighted	Clear	Dry	0	2	N
01/12/2017	16:44	N	00336	6.02	6.02	Property Damage Only	Front to front	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
01/14/2017	17:54	N	00336	5.8	5.80	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Dark-Lighted	Rain	Wet	0	0	Ν
01/26/2017	11:10	N	00336	6.09	6.09	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Cloudy	Wet	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2017															
01/31/2017	17:28	N				Personal Injury Crash	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Lighted	Clear	Dry	0	3	N
02/06/2017	15:48	N	00336	5.92	5.92	Property Damage Only	Front to rear	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N
02/08/2017	17:09	N	00336	5.96	5.96	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Dusk	Clear	Dry	0	0	N
02/14/2017	16:00	N	00336	5.85	5.85	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in an aggressive manner	Daylight	Clear	Dry	0	0	Ν
02/17/2017	17:30	N	00336	6.13	6.13	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	Ν
03/01/2017	09:05	N	00336	6.09	6.09	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy - Rain	Wet	0	2	Ν
03/04/2017	10:52	N	00336	5.77	5.77	Property Damage Only	Front to rear	Legally Parked Motor Vehicle	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
03/08/2017	07:24	N	00336	6.12	6.12	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
03/13/2017	20:19	N	00336	5.93	5.93	Property Damage Only	Not a collision between two vehicles	Pedestrian	Pedestrian	Dark-Unknown Lighting	Clear	Dry	0	0	N
03/24/2017	18:43	N	00336	6.1	6.10	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	1	N
03/28/2017	19:46	N	00336	5.86	5.86	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	2	N
03/28/2017	20:56	N	00336	5.9	5.90	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Dark-Lighted	Cloudy	Dry	0	0	N
04/04/2017	17:25	N	00336	6.25	6.25	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	0	N
04/07/2017	16:44	N	00336	6.12	6.12	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	: Inj	AL
2017															
04/07/2017	22:03	N	00336	6.19	6.19		Sideswipe, same direction	Motor Vehicle in Transport	Other	Dark-Lighted	Cloudy	Dry	0	0	Ν
04/09/2017	15:28	N	00336	6.19	6.19	Crash	Not a collision between two vehicles	Curb	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	1	N
04/13/2017	08:00	Ν	00336	5.89	5.89	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear - Clear	Dry	0	0	Ν
04/14/2017	22:40	N	00336	5.9	5.90	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	0	А
04/24/2017	17:18	N	00336	5.99	5.99	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Cloudy	Dry	0	0	Ν
05/01/2017	21:35	N				Property Damage Only	Front to front	Legally Parked Motor Vehicle	Unknown	Dark-Lighted	Clear	Dry	0	0	N
05/05/2017	07:41	N	00336	6.22	6.22	Property Damage Only	Front to rear	Motor Vehicle in Transport	Other	Daylight	Rain - Cloudy	Wet	0	0	Ν
05/23/2017	13:00	N	00336	6.18	6.18	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Cloudy	Dry	0	0	N
05/31/2017	15:21	N	00336	6.21	6.21	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	И
06/16/2017	20:30	N	51098	0.26	0.26	Only	Sideswipe, opposite direction	Legally Parked Motor Vehicle	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	0	N
06/19/2017	16:14	N	00336	5.93	5.93	Personal Injury Crash	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Cloudy	Dry	0	2	Ν
06/20/2017	20:15	N	00336	5.99	5.99	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N
06/24/2017	07:42	N	00336	5.78	5.78	Property Damage Only	Angle	Motor Vehicle in Transport	Unknown	Unknown	Unknown	Unknown	0	0	N
06/29/2017	16:39	N	00336	6.12	6.12		Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N
07/05/2017	06:05	N	00336	5.91	5.91	Personal Injury Crash	Front to rear	Legally Parked Motor Vehicle	Driver inattention, distraction, or fatigue	Dawn	Clear	Dry	0	1	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	In	j AL
2017															
07/11/2017	08:27	N	00336	6.19	6.19	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	1	N
07/26/2017	15:30	Ν	00336	6.06	6.06	Property Damage Only	Sideswipe, same direction	Legally Parked Motor Vehicle	Unknown	Daylight	Cloudy	Dry	0	0	N
08/06/2017	15:12	N	00336	5.87	5.87	Property Damage Only	Front to rear	Legally Parked Motor Vehicle	Unknown	Unknown	Clear	Dry	0	0	Ν
08/10/2017	07:11	N	51133	2.04	2.04	Property Damage Only	Sideswipe, same direction	Legally Parked Motor Vehicle	Unknown	Dark-Lighted	Clear	Dry	0	0	N
08/17/2017	22:23	N	00336	6.12	6.12	Property Damage Only	Angle	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	N
07/30/2017	08:04	N	51083	0	0.00	Property Damage Only	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	0	0	N
08/30/2017	12:21	N	00336	5.74	5.74	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	N
09/14/2017	13:09	N	00336	5.9	5.90	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
10/03/2017	07:26	N	00336	5.99	5.99	Property Damage Only	Angle	Motor Vehicle in Transport	Made improper turn	Daylight	Clear	Dry	0	0	N
10/03/2017	08:43	N	51083	0	0.00	Property Damage Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Roadway circumstances - debris, holes, work zone,	Daylight	Clear	Dry	0	0	N
10/06/2017	22:36	N				Personal Injury Crash	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Dark-Lighted	Clear	Dry	0	2	N
10/07/2017	17:28	N	00336	5.86	5.86	Personal Injury Crash	Not a collision between two vehicles	Motor Vehicle in Transport	Unknown	Daylight	Cloudy	Dry	0	1	N
10/08/2017	20:18	N	00336	6.19	6.19	Property Damage Only	Angle	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	N
10/10/2017	07:30	N	00336	6.13	6.13	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
10/24/2017	08:17	N	00336	6.04	6.04	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Rain	Wet	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	j Al
2017															
11/06/2017	15:30	N	00336	6.04	6.04	Personal Injury Crash	Front to rear	Unknown	Unknown	Daylight	Clear	Dry	0	1	N
11/03/2017	23:59	N	00336	6.09	6.09	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Lighted	Clear	Dry	0	0	N
11/11/2017	20:21	N	51183	0	0.00	Crash	Not a collision between two vehicles	Pedestrian	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	1	N
11/13/2017	13:02	N	00336	6.08	6.08	Property Damage Only	Front to rear	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N
11/21/2017	17:41	N	00336	5.84	5.84	Property Damage Only	Angle	Motor Vehicle in Transport	Pedestrian	Dark-Lighted	Clear	Dry	0	0	N
12/15/2017	14:36	N	51017	0.33	0.33	Crash	Not a collision between two vehicles	Motor Vehicle in Transport	Other environmental circumstances - weather, glare	Daylight	Snow	Snow	0	1	N
12/30/2017	20:08	N	00336	5.77	5.77	Crash	Not a collision between two vehicles	Pedestrian	Pedestrian	Dark-Lighted	Clear	Dry	0	1	N
12/20/2017	15:27	N	00336	6.2	6.20		Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	N
01/29/2017	14:04	N	114570	0	0.00	Only	Not a collision between two vehicles	Curb	Made improper turn	Daylight	Clear	Dry	0	0	N
12/11/2017	18:35	N	00498	0	0.00	Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Failed to yield right of way	Dark-Lighted	Clear	Dry	0	0	N
11/13/2017	10:05	N	00027	0.54	0.54	Personal Injury Crash	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	1	N

01/05/2018	11:12	Ν	00336	5.19	5.19	Personal Injury	Angle	Motor Vehicle in	Driving in a	Daylight	Clear	Wet	0	3	Ν
						Crash		Transport	careless or						1
									reckless manner						

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2018															
01/08/2018	17:59	N	00027	0.55	0.55	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Lighted	Rain	Wet	0	0	N
01/20/2018	17:51	N	00336	5.19	5.19	Property Damage Only	Front to rear	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	Ν
01/23/2018	12:10	N	114470	0	0.00	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	Ν
01/23/2018	14:55	N	114570	0	0.00	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Cloudy	Dry	0	0	N
01/27/2018	16:25	N	00336	5.71	5.71	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving under the influence	Daylight	Clear	Dry	0	0	Ν
01/28/2018	19:39	N	00336	5.45	5.45	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Failed to yield right of way	Dark-Lighted	Cloudy	Wet	0	0	Ν
01/29/2018	13:12	N	00336	5.1	5.10	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N
02/07/2018	17:45	N	00336	5.06	5.06	Personal Injury Crash	Sideswipe, opposite direction	Motor Vehicle in Transport	Pedestrian	Dark-Not Lighted	Rain	Wet	0	1	N
02/08/2018	19:07	N	00336	5.08	5.08	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driving under the influence	Dark-Not Lighted	Clear	Dry	0	1	Y
03/04/2018	21:45	N	114500	0	0.00	Property Damage Only	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Not Lighted	Clear	Dry	0	0	N
03/07/2018	14:01	N	00336	5.28	5.28	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Daylight	Snow	Ice/Frost	0	0	Ν
03/08/2018	11:07	N	00336	5.19	5.19	Personal Injury Crash	Unknown	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	1	Ν
03/22/2018	12:30	N				Property Damage Only	Unknown	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N
03/23/2018	14:40	N	00336	5.37	5.37	Personal Injury Crash	Angle	Motor Vehicle in Transport	Made improper turn	Daylight	Clear	Dry	0	2	N
04/07/2018	19:18	N	00027	1.68	3.86	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper passing	Daylight	Clear	Dry	0	0	Ν

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	j Al
2018															
04/16/2018	14:13	N	00336	5.52	5.52	Property Damage Only	Front to rear	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N
05/01/2018	12:40	N	00336	5.26	5.26	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N
05/02/2018	15:29	N	00336	5.26	5.26	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	Ν
05/03/2018	16:04	N	00336	5.47	5.47	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	Ν
05/30/2018	00:19	N	00336	5.06	5.06	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving under the influence	Dark-Lighted	Clear	Dry	0	0	Y
06/03/2018	17:29	N	00336	5.19	5.19	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Rain	Wet	0	0	N
06/05/2018	07:26	N	00336	5.2	5.20	Personal Injury Crash	Sideswipe, opposite direction	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	2	N
06/14/2018	19:16	N	00027	0.54	0.54	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	Ν
06/16/2018	04:07	N	00336	5.3	5.30	Property Damage Only	Not a collision between two vehicles	Curb	Driving in a careless or reckless manner	Dark-Lighted	Clear	Dry	0	0	N
06/18/2018	10:09	N	00336	5.63	5.63	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
06/30/2018	20:00	N				Property Damage Only	Unknown	Motor Vehicle in Transport	Unknown	Dusk	Clear	Dry	0	0	N
07/05/2018	19:40	N	00336	5.73	5.73	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	Y
07/19/2018	10:41	N	00336	5.37	5.37	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
07/22/2018	01:05	N	00336	5.16	5.16	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving under the influence	Dark-Lighted	Rain	Wet	0	0	Y
08/03/2018	14:46	N	00336	5.27	5.27	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Wet	0	1	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	j AL
2018															
08/13/2018	10:52	N	00336	5.14	5.14	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	Ν
09/01/2018	11:45	N	00336	5.13	5.13	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	Ν
09/09/2018	17:13	N	00027	1.69	3.87	Property Damage Only	Front to rear	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Daylight	Rain	Wet	0	0	Ν
09/12/2018	07:49	N	00336	5.2	5.20	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy	Dry	0	0	N
09/17/2018	07:17	N	00336	5.49	5.49	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	Ν
09/20/2018	09:18	N	00336	5.5	5.50	Personal Injury Crash	Sideswipe, opposite direction	Motor Vehicle in Transport	Other	Daylight	Clear	Dry	0	1	N
09/21/2018	12:25	N	00336	5.39	5.39	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	Ν
09/22/2018	18:53	N	00336	5.63	5.63	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Dark-Lighted	Clear	Dry	0	0	Ν
10/04/2018	19:20	N	00336	5.73	5.73	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	1	Ν
10/08/2018	17:25	N	00027	0.54	0.54	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N
10/12/2018	06:33	N	00336	5.51	5.51	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Dark-Lighted	Clear	Dry	0	0	N
10/14/2018	19:24	N	00336	5.08	5.08	Personal Injury Crash	Sideswipe, same direction	Motor Vehicle in Transport	Failed to yield right of way	Dark-Not Lighted	Clear	Dry	0	1	Ν
10/21/2018	18:49	N	00336	5.66	5.66	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	N
10/29/2018	12:20	N	00336	5.73	5.73	Property Damage Only	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Cloudy	Dry	0	0	Ν

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2018															
10/30/2018	17:14	Ν	00336	5.48	5.48	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	Ν
11/26/2018	14:58	Z	00336	5.53	5.53	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Rain	Wet	0	0	N
12/01/2018	15:09	N	00027	1.68	3.86	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Made improper turn	Daylight	Clear	Dry	0	0	Ν
12/15/2018	02:04	N	00336	5.19	5.19	Property Damage Only	Sideswipe, same direction	Legally Parked Motor Vehicle	Other	Dark-Lighted	Rain	Wet	0	0	Z
12/20/2018	13:13	N	113950	0.32	0.32	Property Damage Only	Other	Motor Vehicle in Transport	Improper backing	Daylight	Rain	Water (standing, moving)	0	0	Ν
12/20/2018	14:59	N	00336	5.53	5.53	Property Damage Only	Angle	Motor Vehicle in Transport	Improper lane change	Daylight	Rain	Wet	0	0	N
12/24/2018	15:54	N	00336	5.11	5.11	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	0	N
12/31/2018	16:42	N	00336	5.69	5.69	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Dark-Lighted	Rain	Wet	0	0	N
01/01/2018	18:10	Ν	00336	5.94	5.94	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	2	И
01/02/2018	21:58	N	00336	6.05	6.05	Personal Injury Crash	Not a collision between two vehicles	Pedestrian	Other	Dark-Lighted	Clear	Dry	0	1	N
01/06/2018	17:41	N	00336	5.76	5.76	Personal Injury Crash	Front to rear	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Dark-Lighted	Cloudy	Dry	0	1	N
01/09/2018	10:12	N	00336	6.09	6.09	Personal Injury Crash	Not a collision between two vehicles	Unknown	Unknown	Daylight	Clear	Slush	0	1	N
02/22/2018	14:15	N	51083	0	0.00	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Cloudy	Dry	0	0	N
02/21/2018	15:45	N	00336	6.19	6.19	Property Damage Only	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Unknown	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fa	t Inj	AL
2018															
03/04/2018	19:30	N	00336	5.84	5.84	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	0	N
03/18/2018	19:00	N	00336	5.95	5.95	Personal Injury Crash	Not a collision between two vehicles	Unknown	Unknown	Daylight	Clear	Dry	0	1	N
04/03/2018	08:41	N	00336	6.24	6.24	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Cloudy - Rain	Wet	0	0	N
04/14/2018	16:40	N	00336	6.06	6.06	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear - Clear	Dry	0	0	N
04/17/2018	08:39	N	00336	5.94	5.94	Property Damage Only	Front to rear	Unknown	Unknown	Daylight	Clear - Clear	Dry	0	0	N
04/26/2018	07:48	N	00336	6.09	6.09	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
05/14/2018	16:14	N	00336	5.9	5.90	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear - Clear	Dry	0	0	N
05/17/2018	15:23	N				Personal Injury Crash	Front to front	Motor Vehicle in Transport	Unknown	Daylight	Rain	Wet	0	1	Ν
05/24/2018	15:19	N	00336	6.13	6.13	Personal Injury Crash	Front to front	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	1	N
05/24/2018	17:20	N	00336	6.11	6.11	Property Damage Only	Sideswipe, same direction	Unknown	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
05/27/2018	11:02	N	00336	5.78	5.78	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
05/29/2018	15:50	N	00336	5.76	5.76	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	1	N
05/31/2018	22:01	N	00336	5.9	5.90	Property Damage Only	Front to rear	Stopped Motor Vehicle	Following too close	Dark-Lighted	Rain	Wet	0	0	N
06/07/2018	18:40	N	00336	6.23	6.23	Personal Injury Crash	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	3	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fa	t Inj	AL
2018															
06/09/2018	02:07	N	00336	5.8	5.80	Personal Injury Crash	Front to rear	Fell/Jumped From Motor Vehicle	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	1	Ν
06/13/2018	17:00	N	00336	6.14	6.14	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	Ν
06/19/2018	21:13	N	51274	0.01	0.01	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Unknown Lighting	Clear	Dry	0	0	N
06/20/2018	17:27	N	00336	6.09	6.09	Property Damage Only	Other	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	N
06/25/2018	11:06	N	00336	5.78	5.78	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
07/02/2018	20:30	N				Property Damage Only	Angle	Other Fixed Object (wall, building, tunnel, etc.)	Unknown	Dawn	Clear	Dry	0	0	N
07/09/2018	22:27	N	00336	5.76	5.76	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Following too close	Dark-Lighted	Clear	Dry	0	2	N
07/11/2018	16:21	N				Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear - Clear	Dry	0	0	N
07/14/2018	18:29	N	00336	5.93	5.93	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
07/28/2018	22:30	N	00336	6.13	6.13	Property Damage Only	Rear to side	Unknown	Unknown	Dark-Lighted	Clear	Dry	0	0	N
07/30/2018	16:45	N	00336	5.9	5.90	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N
07/31/2018	19:10	N	00336	5.77	5.77	Personal Injury Crash	Not a collision between two vehicles	Motor Vehicle in Transport	Other	Daylight	Clear	Dry	0	1	N
08/05/2018	07:45	N	00336	6.01	6.01	Property Damage Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N
08/13/2018	16:42	N	00336	5.99	5.99	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	1	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	In	AL
2018															
08/13/2018	21:08	Ν	00336	6.24	6.24	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	Ν
08/16/2018	13:23	Ν	00336	5.8	5.80	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
08/18/2018	16:34	Ν	00336	5.91	5.91	Property Damage Only	Front to front	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy	Dry	0	0	Ν
08/27/2018	16:30	N	00336	5.91	5.91	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	Ν
09/12/2018	17:08	N	00336	6.13	6.13	Property Damage Only	Other	Motor Vehicle in Transport	Unknown	Daylight	Clear	Wet	0	0	N
09/20/2018	16:03	N	00336	6	6.00	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
09/28/2018	12:53	N	00336	5.89	5.89	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N
10/02/2018	09:33	N	00336	5.73	5.73	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear - Clear	Dry	0	0	N
10/04/2018	14:48	N	00336	5.8	5.80	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Cloudy	Dry	0	0	N
11/01/2018	17:20	N				Personal Injury Crash	Not a collision between two vehicles	Other Fixed Object (wall, building, tunnel, etc.)	Other improper driving	Daylight	Clear	Dry	0	4	N
12/11/2018	20:09	N				Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driving under the influence	Dark-Lighted	Clear	Dry	0	1	Y
12/14/2018	20:58	N	00336	5.78	5.78	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Rain	Wet	0	0	N
12/19/2018	08:22	N				Personal Injury Crash	Not a collision between two vehicles	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	1	N
12/27/2018	20:56	N	00336	5.76	5.76	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Dark-Lighted	Clear	Dry	0	1	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2018															
09/22/2018	16:00	N	114540	0.01	0.01	Property Damage Only	Unknown	Unknown	Unknown	Daylight	Clear	Dry	0	0	Ν
11/05/2018	19:55	N				Personal Injury Crash	Front to rear		Failed to yield right of way	Dark-Lighted	Rain - Rain	Wet	0	1	N

Report generated by TDTSCJM at 2022-08-03 10:20:51.574

Report Legend

- CTY County
- RD Maintenance Road
- MP Milepoint
- C-MP Continuous Milepoint
- Fat Fatality
- lnj Injury
- AL Alcohol Involved
- LC Lighting Condition
- WC Weather Condition
- SC Surface Condition
- FHE First Harmful Event
- PC Primary Contributing Circumstance
- Class Report Classification
- MOI Manner of Impact

Delaware Crash Analysis Reporting System

Crash Study Time Period: Query Type: Description: Study Requested By: Study Generated By: Number of Crashes: Includes Non-Reportable Crashes: Study Code: 01/01/2022 - 12/31/2022 AdvancedQueryTool Traffic Studies (2012F) Stephanie Everett (RKK) TDTSCJM 94 N



State of Delaware Crash Study

Sumr	nary		Classificat	tion	Manner of Impact				
	# of Crashes		# of	% of Total		# of	% of Total		
Total Crashes	94		Crashe			Crashes	Crashes		
Fatal Crashes	0	Non-	0	0.00%	Front to rear	41	43.62%		
Total Alcohol-	1	Reportable	75	70,700/	Front to front	5	5.32%		
Related Crashes		Reportable Personal	75 19	79.79%	Angle	15	15.96%		
Total Non Alcohol- Related Crashes	93	Injury		20.21%	Sideswipe, same	18	19.15%		
Total Fatalities	0	Fatality	0	0.00%	direction				
Total Pedestrian Fatalities	0	Total 94			Sideswipe, opposite direction	5	5.32%		
Total Pedestrian Injuries	4			Rear to side	1	1.06%			
Total Pedestrian	2			Rear to rear	0	0.00%			
Crashes	L				Other	0	0.00%		
Total Motorcycle	1				Unknown	4	4.26%		
Crashes Total Pedalcyclist Crashes	0				Not a collision between two vehicles	5	5.32%		
					Total	94			
		Alcohol Relate	d Crashes	By Classification	on		•		
	Non-reportable	Reportat		Personal Injury	Fatality		Total		
Alcohol Related	0	1		0	0		1		
Non-Alcohol Related	0	74		19	0		93		
Total	0	75		19	0	94			
		Manner of	Impact By	Classification					
	Non-Reportable	Reportat	ole	Personal Injury	Fatality		Total		
Front to rear	0	31		10	0		41		
Front to front	0	3		2	0		5		
Angle	0	12		3	0		15		
Sideswipe, same direction	0	17		1	0		18		
Sideswipe, opposite direction	0	4		1	0		5		
Rear to side	0	1		0	0		1		
Rear to rear	0	0		0	0		0		
Other	0	0		0	0		0		
Unknown	0	4		0	0		4		
Not a collision between two vehicles	etween two			2	0		5		
Total	0	75		19	0		94		

	Day Of Week	(Tiı	me Of Day (A	M)	Time Of Day (PM)				
	# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes		
Sunday	9	9.57%	00:00 - 00:59	2	2.13%	12:00 - 12:59	6	6.38%		
Monday	12	12.77%	01:00 - 01:59	0	0.00%	13:00 - 13:59	5	5.32%		
Tuesday	13	13.83%	02:00 - 02:59	1	1.06%	14:00 - 14:59	6	6.38%		
Wednesday	18	19.15%	03:00 - 03:59	0	0.00%	15:00 - 15:59	7	7.45%		
Thursday	16	17.02%	04:00 - 04:59	1	1.06%	16:00 - 16:59	6	6.38%		
Friday	17	18.09%	05:00 - 05:59	0	0.00%	17:00 - 17:59	7	7.45%		
Saturday	9	9.57%	06:00 - 06:59	2	2.13%	18:00 - 18:59	3	3.19%		
Total	94		07:00 - 07:59	5	5.32%	19:00 - 19:59	7	7.45%		
			08:00 - 08:59	9	9.57%	20:00 - 20:59	7	7.45%		
			09:00 - 09:59	2	2.13%	21:00 - 21:59	6	6.38%		
			10:00 - 10:59	1	1.06%	22:00 - 22:59	7	7.45%		
			11:00 - 11:59	3	3.19%	23:00 - 23:59	1	1.06%		
			Total	26		Total	68			
					·	Unknown Time	0			
Su	rface Conditi	ons	Ligl	hting Conditi	ons	We	ather Conditi	ions		
	# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes		
Dry	85	90.43%	Daylight	64	68.09%	Clear	81	86.17%		
Wet	7	7.45%	Dawn	1	1.06%	Cloudy	8	8.51%		
Snow	0	0.00%	Dusk	1	1.06%	Fog, Smog,	0	0.00%		
Ice/Frost	0	0.00%	Dark-Lighted	20	21.28%	Smoke				
Sand	0	0.00%	Dark-Not	3	3.19%	Rain	3	3.19%		
Water (standing, moving)	0	0.00%	Lighted Dark- Unknown	0	0.00%	Sleet, Hail (freezing rain or drizzle)	0	0.00%		
Slush	0	0.00%	Lighting		0.000/	Snow	0	0.00%		
Oil	0	0.00%	Other	0	0.00%	Blowing	0	0.00%		
Mud, Dirt, Gravel	0	0.00%	Unknown Total	5 94	5.32%	Snow				
Other	0	0.00%]			Severe Crosswinds	0	0.00%		
Unknown	2	2.13%]			Blowing	0	0.00%		
Total	94]			Sand, Soil, Dirt	5	0.0070		
						Other	0	0.00%		
								1		

Unknown

Total

2

94

2.13%

	First Harmful Event	
	# of Crashes	% of Total Crashes
Overturn/Rollover, Non-Collision	0	0.00%
Fire/Explosion, Non-Collision	0	0.00%
Immersion, Non-Collision	0	0.00%
Jackknife, Non-Collision	0	0.00%
Cargo/Equipment Loss or Shift, Non- Collision	0	0.00%
Fell/Jumped From Motor Vehicle, Non- Collision	0	0.00%
Thrown or Falling Object, Non-Collision	0	0.00%
Other Non-Collision, Non-Collision	0	0.00%
Pedestrian, Collision With Person, Motor Vehicle, or Non-Fixed Object	1	1.06%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	1	1.06%
Railway Vehicle (train, engine), Collision With Person, Motor Vehicle, or Non- Fixed Object	0	0.00%
Animal, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	79	84.04%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non- Fixed Object	1	1.06%
Struck by Anything Set in Motion by Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
Work Zone / Maintenance Equipment, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
Other Non-Fixed Object, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
Impact Attenuator/Crash Cushion, Collision With Fixed Object	0	0.00%
Bridge Overhead Structure, Collision With Fixed Object	0	0.00%
Bridge Pier or Support, Collision With Fixed Object	0	0.00%
Bridge Rail, Collision With Fixed Object	0	0.00%
Cable Barrier, Collision With Fixed Object	0	0.00%
Culvert, Collision With Fixed Object	0	0.00%
Curb, Collision With Fixed Object	1	1.06%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

Guardrail Face, Collision With Fixed Object	0	0.00%
Guardrail End, Collision With Fixed Object	0	0.00%
Concrete Traffic Barrier, Collision With Fixed Object	0	0.00%
Other Traffic Barrier, Collision With Fixed Object	0	0.00%
Tree (standing), Collision With Fixed Object	0	0.00%
Utility Pole, Collision With Fixed Object	0	0.00%
Light Support, Collision With Fixed Object	0	0.00%
Traffic Sign Support, Collision With Fixed Object	0	0.00%
Overhead Sign Support, Collision With Fixed Object	0	0.00%
Traffic Signal Support, Collision With Fixed Object	0	0.00%
Fence, Collision With Fixed Object	0	0.00%
Mailbox, Collision With Fixed Object	0	0.00%
Other Post, Pole or Support, Collision With Fixed Object	0	0.00%
Other Fixed Object (wall, building, tunnel, etc.), Collision With Fixed Object	0	0.00%
Illegally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non- Fixed Object	0	0.00%
Stopped Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	8	8.51%
Unknown, Collision With Fixed Object	3	3.19%
Total	94	

	Primary Contributing Circumstance	
	# of Crashes	% of Total Crashes
Speeding	1	1.06%
Failed to yield right of way	8	8.51%
Passed Stop Sign	0	0.00%
Disregard Traffic Signal	4	4.26%
Wrong side or wrong way	0	0.00%
Improper passing	2	2.13%
Improper lane change	5	5.32%
Following too close	16	17.02%
Made improper turn	3	3.19%
Driving under the influence	1	1.06%
Driver inattention, distraction, or fatigue	28	29.79%
Driving in a careless or reckless manner	8	8.51%
Driving in an aggressive manner	0	0.00%
Improper backing	1	1.06%
Other improper driving	1	1.06%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	0	0.00%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	1	1.06%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	1	1.06%
Unknown	13	13.83%
Total	93	

	Driver Action	
	# of Drivers	% of Total Crashes
No Contributing Action	77	43.50%
Failed to yield right of way	9	5.08%
Ran Red Light	4	2.26%
Ran Stop Sign	0	0.00%
Disregard other traffic sign	0	0.00%
Disregard other road markings	0	0.00%
Exceeded authorized speed limit	0	0.00%
Driving too fast for conditions	0	0.00%
Made an improper turn	6	3.39%
Improper backing	1	0.56%
Wrong side or wrong way	0	0.00%
Followed to closely	17	9.60%
Failure to keep in proper lane	8	4.52%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	32	18.08%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non- motorist in roadway, etc.	1	0.56%
Over-correcting/over-steering	0	0.00%
Improper Passing	2	1.13%
Other Contributing Action	3	1.69%
Unknown	17	9.60%
Total	177	

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2022															
01/12/2022	08:36	N	00336	5.37	5.37	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	N
03/07/2022	13:52	N	00336	5.51	5.51	Property Damage Only	Front to rear	Stopped Motor Vehicle	Following too close	Daylight	Clear	Dry	0	0	Ν
03/10/2022	17:25	N	00336	5.58	5.58	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
03/21/2022	11:34	N	00336	5.74	5.74	Property Damage Only	Front to rear	Stopped Motor Vehicle	Other improper driving	Daylight	Clear	Dry	0	0	Ν
03/31/2022	08:17	N	00336	5.19	5.19	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
04/26/2022	08:15	N	00336	5.05	5.05	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Cloudy	Dry	0	0	N
04/28/2022	22:00	N	00336	5.3	5.30	Property Damage Only	Sideswipe, same direction	Legally Parked Motor Vehicle	Driving in a careless or reckless manner	Dark-Not Lighted	Clear	Dry	0	0	N
05/12/2022	08:19	N	00336	5.8	5.80	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Cloudy	Dry	0	1	N
06/01/2022	15:11	N	00336	5.32	5.32	Property Damage Only	Front to rear	Stopped Motor Vehicle	Following too close	Daylight	Clear	Dry	0	0	Ν
06/08/2022	08:41	N	00336	5.59	5.59	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
06/17/2022	18:09	N	00336	5.33	5.33	Personal Injury Crash	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	1	Ν
06/18/2022	04:22	N	00336	5.44	5.44	Property Damage Only	Not a collision between two vehicles	Curb	Unknown	Dark-Lighted	Clear	Dry	0	0	N
06/20/2022	12:23	N	00336	5.7	5.70	Property Damage Only	Front to rear	Stopped Motor Vehicle	Following too close	Daylight	Clear	Dry	0	0	N
06/22/2022	15:50	N	00336	5.58	5.58	Property Damage Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fa	t Inj	j Al
2022															
06/26/2022	17:08	N	00336	5.1	5.10	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	Ν
06/28/2022	12:04	N				Property Damage Only	Not a collision between two vehicles	Pedalcycle	Other	Daylight	Clear	Dry	0	0	N
06/28/2022	12:46	N	00336	5.49	5.49	Property Damage Only	Unknown	Stopped Motor Vehicle	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	0	Ν
06/30/2022	15:50	N	00336	5.43	5.43	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	3	Ν
07/01/2022	16:27	N	00336	5.19	5.19	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy	Dry	0	0	N
07/05/2022	19:35	N	00027	0.54	0.54	Property Damage Only	Angle	Unknown	Unknown	Daylight	Clear	Dry	0	0	N
07/06/2022	20:45	N	00336	5.8	5.80	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dusk	Clear	Dry	0	0	N
07/08/2022	22:06	N	00336	5.67	5.67	Property Damage Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Unknown	Dark-Lighted	Clear	Dry	0	0	N
07/13/2022	22:42	N				Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Dark-Lighted	Clear	Dry	0	0	Y
07/18/2022	19:25	N	00336	5.05	5.05	Personal Injury Crash	Front to front	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	1	N
07/22/2022	07:33	N	00336	5.32	5.32	Property Damage Only	Front to rear	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
07/25/2022	14:34	N	00336	5.58	5.58	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	0	N
07/26/2022	09:48	N				Property Damage Only	Sideswipe, same direction	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	: Inj	AL
2022															
08/03/2022	21:26	N	00336	5.7	5.70	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
08/05/2022	21:03	N	00336	5.66	5.66	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Dark-Not Lighted	Clear	Wet	0	0	Ν
08/09/2022	14:33	N	00336	5.56	5.56	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear - Clear	Dry	0	0	N
08/09/2022	14:24	N				Property Damage Only	Unknown	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
08/13/2022	08:00	N	00027	0.82	3.87	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	Ν
08/18/2022	22:31	N	00336	5.78	5.78	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Dark-Lighted	Clear	Dry	0	0	N
08/31/2022	07:49	N	00336	5.59	5.59	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
08/31/2022	16:46	N	00336	5.18	5.18	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper lane change	Daylight	Clear	Dry	0	0	N
09/02/2022	13:07	N	00336	5.76	5.76	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
09/23/2022	07:40	N	00336	5.24	5.24	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Dawn	Clear	Dry	0	0	N
10/01/2022	08:56	N	00336	5.3	5.30	Property Damage Only	Front to front	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Wet	0	0	N
10/08/2022	13:57	N	00027	0.82	3.87	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	0	N
10/13/2022	17:48	N	00336	5.69	5.69	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Cloudy - Cloudy	Wet	0	1	N
10/17/2022	22:32	N	00336	5.45	5.45	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	0	N
10/28/2022	20:01	N	00336	5.75	5.75	Property Damage Only	Front to rear	Stopped Motor Vehicle	Driving under the influence	Dark-Lighted	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fa	t Inj	AL
2022															
11/02/2022	09:18	N	00336	5.55	5.55	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	1	N
11/10/2022	15:10	N	00027	0.54	0.54	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	Ν
11/17/2022	20:44	N	00336	5.59	5.59	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
11/18/2022	13:31	N	00336	5.74	5.74	Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Improper passing	Daylight	Clear	Dry	0	0	N
11/23/2022	17:19	N	00336	5.1	5.10	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Dark-Lighted	Clear	Dry	0	0	Ν
11/29/2022	18:14	N	00027	0.54	0.54	Property Damage Only	Angle	Motor Vehicle in Transport	Made improper turn	Daylight	Clear	Dry	0	0	N
12/06/2022	21:46	N	00336	5.73	5.73	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Dark-Not Lighted	Clear	Wet	0	0	N
12/08/2022	07:02	N	00336	5.65	5.65		Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Dark-Lighted	Cloudy	Dry	0	0	N
12/23/2022	14:02	N				Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	2	N
01/17/2022	15:09	N	00336	5.86	5.86		Sideswipe, same direction	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
01/27/2022	15:23	N	00336	6.09	6.09	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
02/10/2022	06:39	N	00336	5.99	5.99		Sideswipe, same direction	Motor Vehicle in Transport	Other environmental circumstances - weather, glare	Daylight	Clear	Dry	0	0	N
02/20/2022	19:00	N	00336	6	6.00	Property Damage Only	Unknown	Motor Vehicle in Transport	Unknown	Unknown	Clear	Dry	0	0	N
02/21/2022	19:41	N	00336	6.24	6.24	Property Damage Only	Front to rear	Motor Vehicle in Transport	Improper passing	Dark-Lighted	Clear	Dry	0	0	Ν

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2022															
02/23/2022	15:53	N	00336	6.12	6.12	Personal Injury Crash	Not a collision between two vehicles	Pedestrian	Pedestrian	Daylight	Clear	Dry	0	2	N
02/25/2022	19:18	N	00336	5.9	5.90	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	2	N
02/26/2022	08:12	N	51222	0.57	0.57	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
03/01/2022	16:09	N	00336	6.06	6.06	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	2	N
03/04/2022	20:15	N	00336	5.99	5.99	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Cloudy	Dry	0	2	N
03/16/2022	17:22	N	00336	5.9	5.90	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
04/13/2022	13:08	N	00336	5.86	5.86	Property Damage Only	Front to rear	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
04/20/2022	21:21	N	00336	6.19	6.19	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Lighted	Clear	Dry	0	0	N
04/25/2022	22:21	N				Personal Injury Crash	Angle	Motor Vehicle in Transport	Speeding	Dark-Lighted	Clear - Clear	Dry	0	2	N
04/28/2022	11:00	N	51039	0.3	0.30	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Driving in a careless or reckless manner	Unknown	Clear	Dry	0	0	N
05/07/2022	10:11	N	00336	6.1	6.10	Property Damage Only	Front to front	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Rain	Wet	0	0	N
05/13/2022	02:47	N	00336	6.01	6.01	Property Damage Only	Unknown	Unknown	Unknown	Dark-Lighted	Clear	Dry	0	0	N
05/16/2022	12:30	N	00336	5.77	5.77	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
05/22/2022	16:54	N	00336	5.76	5.76	Property Damage Only	Not a collision between two vehicles	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	t Inj	AL
2022				-					_	-					
05/23/2022	23:34	N	51058	0.06	0.06	Personal Injury Crash	Not a collision between two vehicles	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Cloudy	Dry	0	2	N
05/30/2022	19:11	N				Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	4	N
06/04/2022	21:06	N	00336	6.01	6.01	Personal Injury Crash	Front to rear	Unknown	Unknown	Dark-Lighted	Unknown	Dry	0	2	Ν
06/04/2022	21:21	N	51039	0.29	0.29	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	0	N
06/05/2022	00:00	N	51083	0	0.00	Property Damage Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Unknown	Unknown	Clear	Unknown	0	0	N
06/10/2022	12:55	N	00336	6.09	6.09	Personal Injury Crash	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	1	N
07/03/2022	22:55	N	00336	5.84	5.84	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Driving in a careless or reckless manner	Unknown	Clear	Dry	0	0	N
07/13/2022	20:00	N	00336	5.76	5.76	Property Damage Only	Angle	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	Ν
07/15/2022	20:56	N	51017	0.33	0.33	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Made improper turn	Dark-Lighted	Clear	Dry	0	0	N
07/28/2022	17:10	N	00336	6.15	6.15	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
08/02/2022	08:48	N	00336	6.19	6.19	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
08/04/2022	16:19	N	00336	6.24	6.24	Property Damage Only	Rear to side	Motor Vehicle in Transport	Improper backing	Daylight	Clear	Dry	0	0	Ν
08/07/2022	20:02	N	00336	6.26	6.26	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N
08/21/2022	00:48	N	00336	5.8	5.80	Personal Injury Crash	Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Unknown	Clear	Dry	0	3	N

Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
2022															
09/02/2022	16:25	N	00336	6.05	6.05	Crash	Sideswipe, opposite direction	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	1	Ν
09/11/2022	17:30	N	00336	6.24	6.24	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Lighted	Unknown	Unknown	0	0	N
09/17/2022	14:26	N	00336	5.98	5.98	Property Damage Only	Front to front	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
10/04/2022	12:28	N	00336	5.76	5.76	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Rain	Wet	0	0	N
10/04/2022	18:30	N	00336	5.95	5.95		Sideswipe, same direction	Motor Vehicle in Transport	Unknown	Daylight	Rain	Wet	0	0	N
10/07/2022	11:29	N	00336	6.01	6.01	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
10/19/2022	06:58	N	00336	6.07	6.07	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
11/10/2022	19:07	N	00336	5.81	5.81	Property Damage Only	Angle	Motor Vehicle in Transport	Made improper turn	Dark-Lighted	Clear	Dry	0	0	N
11/13/2022	14:09	N	00336	5.99	5.99		Sideswipe, same direction	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
04/27/2022	07:12	N				Personal Injury Crash	Front to front	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy	Dry	0	1	N

Report generated by TDTSCJM at 2023-01-04 16:03:56.951

Report Legend

- CTY County
- RD Maintenance Road
- MP Milepoint
- C-MP Continuous Milepoint
- Fat Fatality
- lnj Injury
- AL Alcohol Involved
- LC Lighting Condition
- WC Weather Condition
- SC Surface Condition
- FHE First Harmful Event
- PC Primary Contributing Circumstance
- Class Report Classification
- MOI Manner of Impact

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Eastbound SR 4 - AM Peak

Study Name : SR4_AM-EB Study Date : 5/9/2016 Page No. : 1

Study Summary

Runs Used in This Study

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
SR4_AM-EB-001	04/21/16	07:16	17403	Before	Primary
SR4_AM-EB-002	04/21/16	07:40	17471	Before	Secondary
SR4_AM-EB-003	04/21/16	08:03	17356	Before	Secondary
SR4_AM-EB-004	04/21/16	08:30	17508	Before	Secondary
SR4_AM-EB-101	04/27/16	06:54	17445	Before	Secondary
SR4_AM-EB-102	04/27/16	07:15	17528	Before	Secondary
SR4_AM-EB-103	04/27/16	07:42	17332	Before	Secondary
SR4_AM-EB-104	04/27/16	08:06	17460	Before	Secondary

Node Info

#	Len	Name
1	0	James St
2	2796	Becker Ave/Forest Dr
3	2769	Boxwood Rd
4	4442	Race St
5	2852	Broom St
6	4544	MLK Blvd

Length of Study Route = 17,403 feet

Notes:

AM Peak, EB direction

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Eastbound SR 4 - AM Peak

Study Name : **SR4_AM-EB** Study Date : **5/9/2016** Page No. : **2**

Overall Output Statistics

Node	Length	Node	Travel	# of	Avg	Total	Time <=	Time <=	Time <=
#			Time	Stops	Speed	Delay	0 MPH	15 MPH	30 MPH
1	0	James St							
2	2796	Becker Ave/Forest Dr	67.9	0.1	28.1	7.3	5.0	6.8	32.0
3	2769	Boxwood Rd	88.9	0.9	21.2	41.4	28.0	37.4	47.1
4	4442	Race St	116.0	0.8	26.1	14.5	1.0	15.8	72.1
5	2852	Broom St	103.4	1.3	18.8	47.5	16.8	43.6	72.3
6	4544	MLK Blvd	217.0	3.0	14.3	93.3	45.8	106.9	203.0
Total	17,403		593.1	6.0	20.0	203.9	96.5	210.4	426.5

Stats based on 8 BEFORE runs.

Stops based on a Stop Speed of 5 MPH.

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Eastbound SR 4 - AM Peak

Study Name : SR4_AM-EB Study Date : 5/9/2016 Page No. : 3

Detailed Statistics By Run

Travel Time (sec) by Section

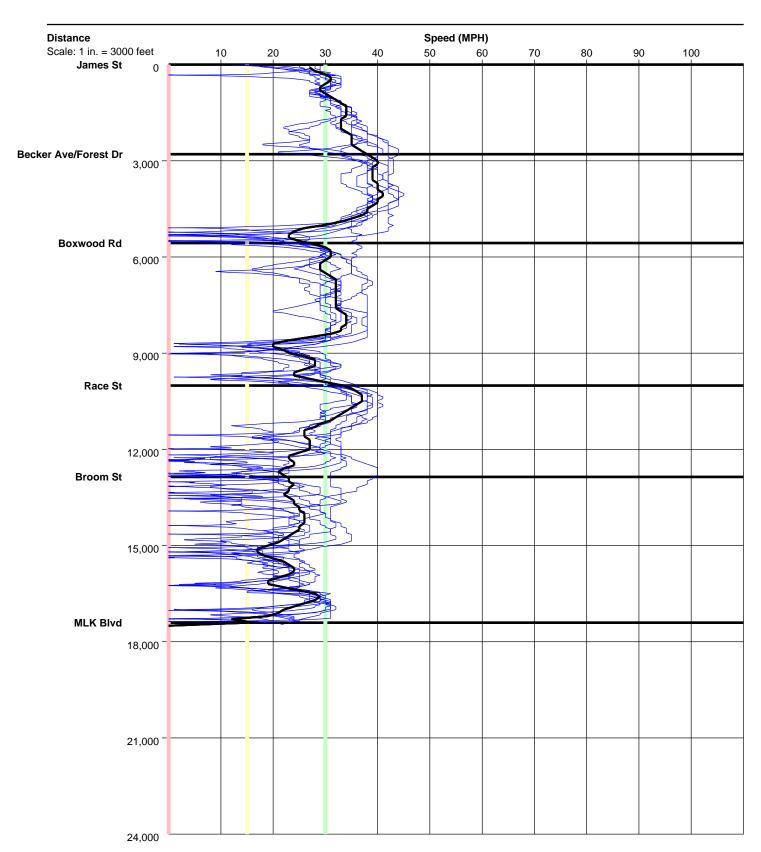
SR4_AM-EB-002 SR4_AM-EB-001 SR4_AM-EB-003 SR4_AM-EB-004 SR4_AM-EB-101 SR4_AM-EB-102 SR4_AM-EB-103 SR4_AM-EB-104

Node	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6	Run #7	Run #8
#										
1	0	James St								
2	2796	Becker Ave/Forest Dr	69	59	60	60	112	57	57	69
3	2769	Boxwood Rd	90	104	53	108	72	83	123	78
4	4442	Race St	113	133	103	133	110	105	125	106
5	2852	Broom St	83	111	195	56	55	82	133	112
6	4544	MLK Blvd	199	271	218	230	136	192	287	203
Totals	17403		554	678	629	587	485	519	725	568

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Eastbound SR 4 - AM Peak

Study Name : SR4_AM-EB Study Date : 5/9/2016 Page No. : 4

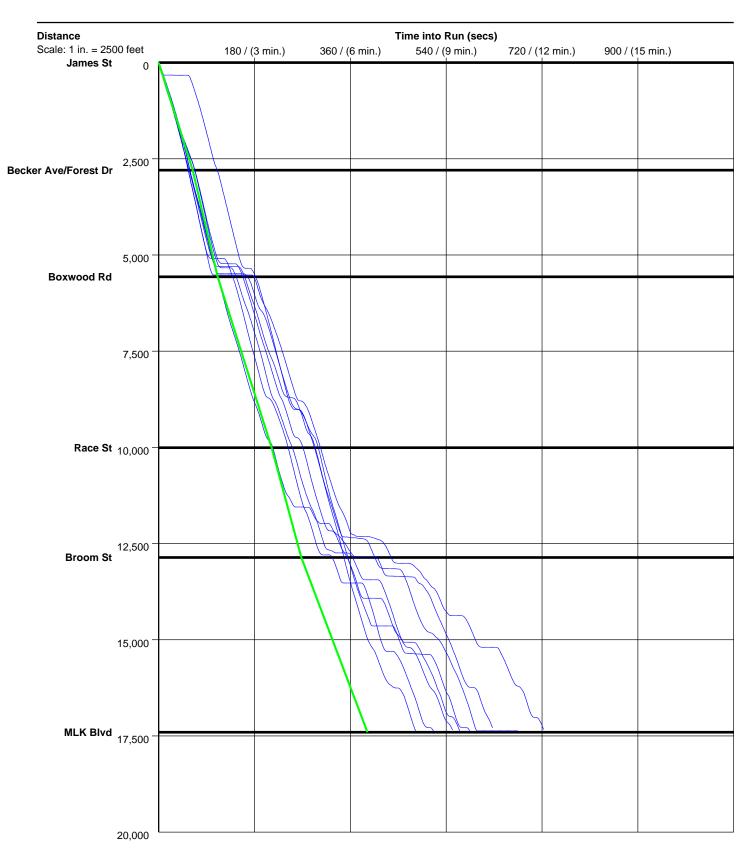
Speed/Distance Profiles of All Runs



SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Eastbound SR 4 - AM Peak

Study Name : SR4_AM-EB Study Date : 5/9/2016 Page No. : 5

Time/Space Trajectories of All Runs



Solid Line is Normal Speed [Variable]

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Westbound SR 4 - AM Peak

Study Name : SR4_AM-WB Study Date : 5/9/2016 Page No. : 1

Study Summary

Runs Used in This Study

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
SR4_AM-WB-001	04/21/16	07:03	17030	Before	Primary
SR4_AM-WB-002	04/21/16	07:27	17134	Before	Secondary
SR4_AM-WB-003	04/21/16	07:54	17071	Before	Secondary
SR4_AM-WB-004	04/21/16	08:17	17113	Before	Secondary
SR4_AM-WB-101	04/27/16	07:03	17078	Before	Secondary
SR4_AM-WB-102	04/27/16	07:25	17028	Before	Secondary
SR4_AM-WB-103	04/27/16	07:55	17066	Before	Secondary
SR4_AM-WB-104	04/27/16	08:17	17010	Before	Secondary

Node Info

#	Len	Name
1	0	MLK Blvd
2	868	Adams St
3	3439	Broom St
4	2895	Race St
5	4441	Boxwood Rd
6	2712	Becker Ave/Forest Dr
7	2752	James St

Length of Study Route = 17,107 feet

Notes:

AM Peak, WB direction

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Westbound SR 4 - AM Peak

Study Name : SR4_AM-WB Study Date : 5/9/2016 Page No. : 2

Overall Output Statistics

Node	Length	Node	Travel	# of	Avg	Total	Time <=	Time <=	Time <=
#			Time	Stops	Speed	Delay	0 MPH	15 MPH	30 MPH
1	0	MLK Blvd							
2	868	Adams St	63.1	0.8	9.4	39.3	29.0	39.5	62.6
3	3439	Broom St	143.3	2.3	16.4	49.1	23.4	53.4	141.8
4	2895	Race St	73.3	0.8	26.9	17.3	7.3	13.0	34.5
5	4441	Boxwood Rd	151.5	2.1	20.0	50.4	35.1	58.0	88.5
6	2712	Becker Ave/Forest Dr	58.5	0.4	31.6	12.5	4.9	8.9	16.6
7	2752	James St	72.6	0.6	25.8	15.3	7.5	17.0	36.1
Total	17,107		562.3	6.9	20.7	183.8	107.1	189.8	380.1

Stats based on 8 BEFORE runs.

Stops based on a Stop Speed of 5 MPH.

5

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Westbound SR 4 - AM Peak

Study Name : SR4_AM-WB Study Date : 5/9/2016 Page No. : 3

Detailed Statistics By Run

Travel Time (sec) by Section

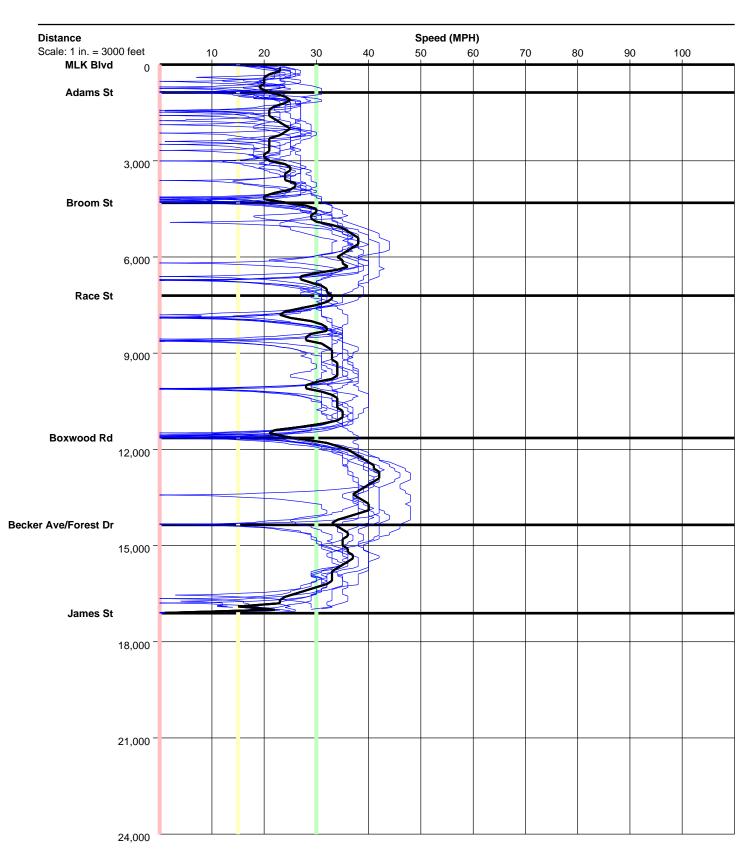
, NB	-001 . INIE	5-002	-003	-004	-101 NE	-102	-103 NB-104
SR4_AM-WB	-001 SR4_AM-WE	5-002 SR4_AM-WB	-003 SR4_AM-WB	SR4_AM-WB	5R4_AM-WE	SR4_AM-WE	sR4_AM-WB-104

Node	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6	Run #7	Run #8
#										
1	0	MLK Blvd								
2	868	Adams St	66	117	60	58	32	123	23	26
3	3439	Broom St	114	143	117	137	131	189	152	163
4	2895	Race St	90	64	83	77	55	86	53	78
5	4441	Boxwood Rd	148	199	138	129	190	125	157	126
6	2712	Becker Ave/Forest Dr	51	57	49	70	44	77	48	72
7	2752	James St	110	59	60	122	48	64	48	70
Totals	17107		579	639	507	593	500	664	481	535

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Westbound SR 4 - AM Peak

Study Name : SR4_AM-WB Study Date : 5/9/2016 Page No. : 4

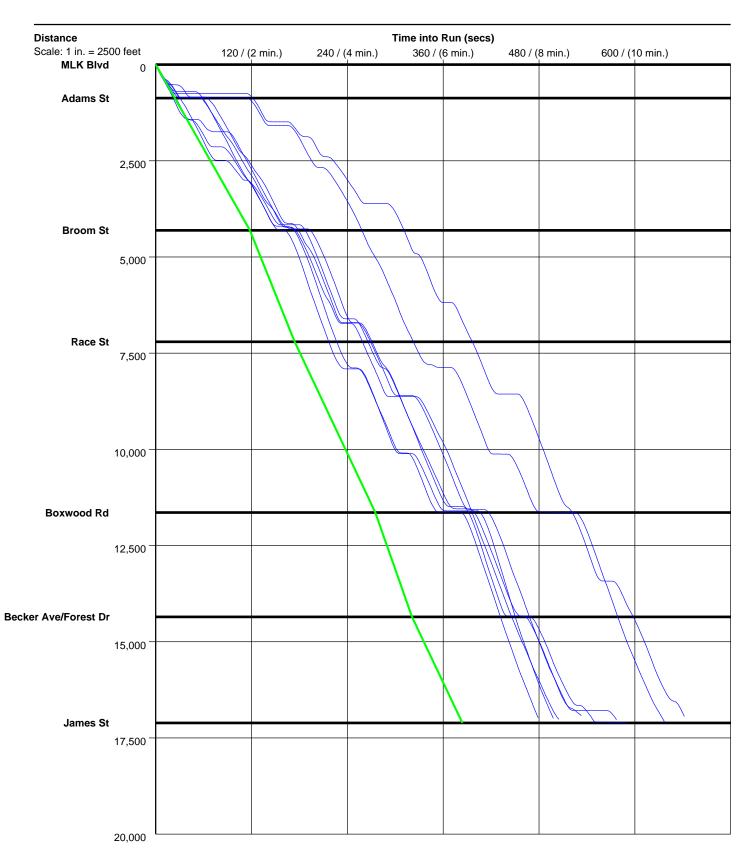
Speed/Distance Profiles of All Runs



SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Westbound SR 4 - AM Peak

Study Name : SR4_AM-WB Study Date : 5/9/2016 Page No. : 5

Time/Space Trajectories of All Runs



Solid Line is Normal Speed [Variable]

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Eastbound SR 4 - PM Peak

Study Name : SR4_PM-EB Study Date : 5/9/2016 Page No. : 1

Study Summary

Runs Used in This Study

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
SR4_PM-EB-001	04/20/16	16:57	17460	Before	Primary
SR4_PM-EB-002	04/20/16	17:21	17585	Before	Secondary
SR4_PM-EB-003	04/20/16	17:42	17471	Before	Secondary
SR4_PM-EB-004	04/20/16	18:05	17254	Before	Secondary
SR4_PM-EB-101	04/27/16	16:32	17460	Before	Secondary
SR4_PM-EB-102	04/27/16	16:54	17438	Before	Secondary
SR4_PM-EB-103	04/27/16	17:20	17356	Before	Secondary
SR4_PM-EB-104	04/27/16	17:40	17471	Before	Secondary
SR4_PM-EB-105	04/27/16	18:03	17377	Before	Secondary

Node Info

#	Len	Name
1	0	James St
2	2763	Becker Ave/Forest Dr
3	2757	Boxwood Rd
4	4476	Race St
5	2877	Broom St
6	4587	MLK Blvd

Length of Study Route = 17,460 feet

Notes:

PM Peak, EB direction

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Eastbound SR 4 - PM Peak

Study Name : **SR4_PM-EB** Study Date : **5/9/2016** Page No. : **2**

Overall Output Statistics

Node	Length	Node	Travel	# of	Avg	Total	Time <=	Time <=	Time <=
#			Time	Stops	Speed	Delay	0 MPH	15 MPH	30 MPH
1	0	James St							
2	2763	Becker Ave/Forest Dr	73.6	0.2	25.6	12.3	4.1	12.1	40.1
3	2757	Boxwood Rd	82.7	0.8	22.7	35.6	17.7	30.4	42.0
4	4476	Race St	136.6	1.4	22.3	35.0	16.1	36.8	87.9
5	2877	Broom St	110.9	1.8	17.7	54.6	23.1	44.0	91.4
6	4587	MLK Blvd	202.9	2.7	15.4	79.6	38.1	88.3	192.8
Total	17,460		606.6	6.9	19.6	217.0	99.1	211.7	454.2

Stats based on 9 BEFORE runs.

Stops based on a Stop Speed of 5 MPH.

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Eastbound SR 4 - PM Peak

Study Name : SR4_PM-EB Study Date : 5/9/2016 Page No. : 3

Detailed Statistics By Run

Travel Time (sec) by Section

SR4_PM-EB-001 SR4_PM-EB-002 SR4_PM-EB-003 SR4_PM-EB-101 SR4_PM-EB-102 SR4_PM-EB-103 SR4_PM-EB-103 SR4_PM-EB-104 SR4_PM-EB-103 SR4_PM-EB-103

Node	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6	Run #7	Run #8
#										
1	0	James St								
2	2763	Becker Ave/Forest Dr	62	61	114	68	57	115	67	57
3	2757	Boxwood Rd	53	66	48	141	101	66	81	85
4	4476	Race St	175	192	166	121	103	170	100	98
5	2877	Broom St	163	125	101	91	120	109	79	105
6	4587	MLK Blvd	201	159	145	218	221	158	266	224
Totals	17460		654	603	574	639	602	618	593	569

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Eastbound SR 4 - PM Peak

Study Name : SR4_PM-EB Study Date : 5/9/2016 Page No. : 4

Detailed Statistics By Run

Travel Time (sec) by Section

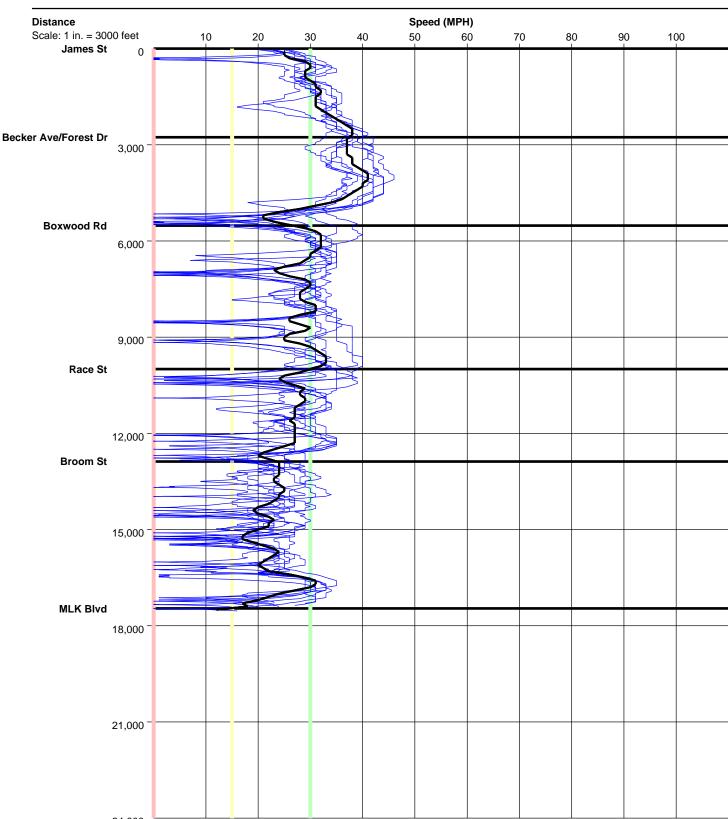
SR4_PM-EB-105

Node	Length	Node Name	Run #9
#			
1	0	James St	
2	2763	Becker Ave/Forest Dr	61
3	2757	Boxwood Rd	103
4	4476	Race St	104
5	2877	Broom St	105
6	4587	MLK Blvd	234
Totals	17460		607

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Eastbound SR 4 - PM Peak

Study Name : SR4_PM-EB Study Date : 5/9/2016 Page No. : 5

Speed/Distance Profiles of All Runs

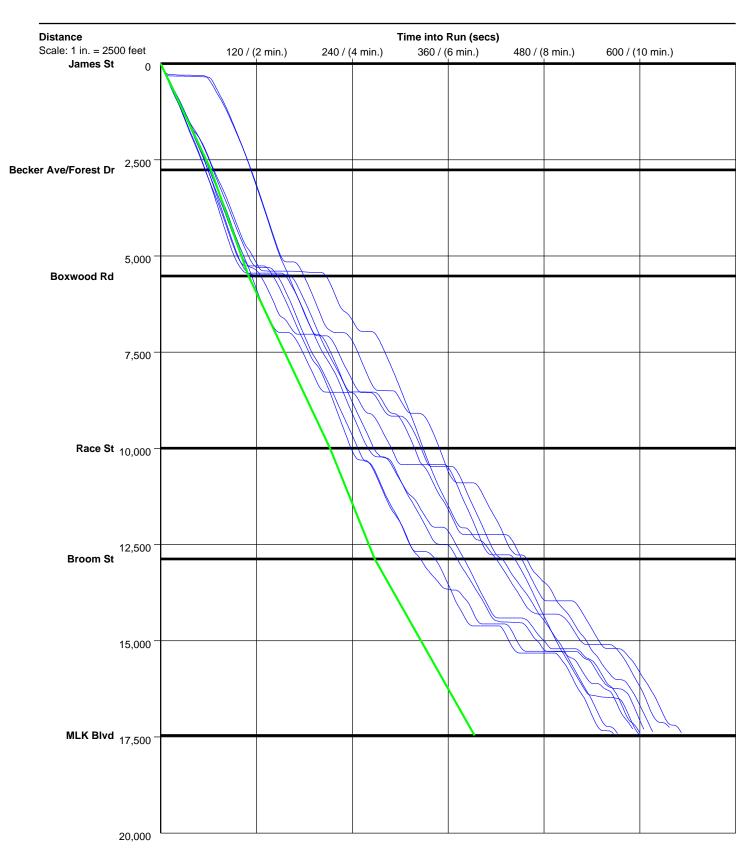


24,000

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Eastbound SR 4 - PM Peak

Study Name : SR4_PM-EB Study Date : 5/9/2016 Page No. : 6

Time/Space Trajectories of All Runs



SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Westbound SR 4 - PM Peak

Study Name : SR4_PM-WB Study Date : 5/9/2016 Page No. : 1

Study Summary

Runs Used in This Study

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
SR4_PM-WB-001	04/20/16	16:42	17018	Before	Primary
SR4_PM-WB-002	04/20/16	17:10	17042	Before	Secondary
SR4_PM-WB-003	04/20/16	17:34	17063	Before	Secondary
SR4_PM-WB-004	04/20/16	17:54	17028	Before	Secondary
SR4_PM-WB-101	04/27/16	16:43	17031	Before	Secondary
SR4_PM-WB-102	04/27/16	17:08	17055	Before	Secondary
SR4_PM-WB-103	04/27/16	17:32	17081	Before	Secondary
SR4_PM-WB-104	04/27/16	17:52	17084	Before	Secondary
SR4_PM-WB-105	04/27/16	18:16	17094	Before	Secondary

Node Info

#	Len	Name
1	0	MLK Blvd
2	873	Adams St
3	3443	Broom St
4	2860	Race St
5	4407	Boxwood Rd
6	2796	Becker Ave/Forest Dr
7	2700	James St

Length of Study Route = 17,079 feet

Notes:

PM Peak, WB Direction

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Westbound SR 4 - PM Peak

Study Name : SR4_PM-WB Study Date : 5/9/2016 Page No. : 2

Overall Output Statistics

Node	Length	Node	Travel	# of	Avg	Total	Time <=	Time <=	Time <=
#			Time	Stops	Speed	Delay	0 MPH	15 MPH	30 MPH
1	0	MLK Blvd							
2	873	Adams St	48.1	0.3	12.4	24.0	16.7	24.0	48.1
3	3443	Broom St	135.0	1.8	17.4	40.2	13.3	47.2	129.8
4	2860	Race St	55.0	0.0	35.5	0.8	0.0	0.0	6.1
5	4407	Boxwood Rd	100.3	0.3	29.9	6.8	3.4	6.8	36.2
6	2796	Becker Ave/Forest Dr	50.4	0.2	37.8	3.4	0.3	2.2	3.6
7	2700	James St	69.6	0.4	26.5	13.1	9.2	14.4	32.4
Total	17,079		458.4	3.1	25.4	88.3	43.0	94.7	256.2

Stats based on 9 BEFORE runs.

Stops based on a Stop Speed of 5 MPH.

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Westbound SR 4 - PM Peak

Study Name : SR4_PM-WB Study Date : 5/9/2016 Page No. : 3

Detailed Statistics By Run

Travel Time (sec) by Section

SR4_PM-V	NB-001 SR4_PM-1	NB-002 SR4_PM-1	NB-003 SR4_PM-	WB-004 SR4_PM-	NB-101 SR4_PM-	WB-102 SR4_PM-	NB-103 SR4_PM-WB-10	ე4
SR4_PM	SR4_PM	SR4_PIN	SR4_PM	SR4_PM	SR4_PM	SR4_PM	SR4_PMI	

Node	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	Run #6	Run #7	Run #8
#										
1	0	MLK Blvd								
2	873	Adams St	107	92	38	27	31	23	56	27
3	3443	Broom St	159	171	124	159	127	133	111	126
4	2860	Race St	56	57	52	59	58	56	49	51
5	4407	Boxwood Rd	92	104	87	159	100	99	83	88
6	2796	Becker Ave/Forest Dr	47	49	50	52	47	72	45	44
7	2700	James St	130	56	56	56	108	56	57	56
Totals	17079		591	529	407	512	471	439	401	392

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Westbound SR 4 - PM Peak

Study Name : SR4_PM-WB Study Date : 5/9/2016 Page No. : 4

Detailed Statistics By Run

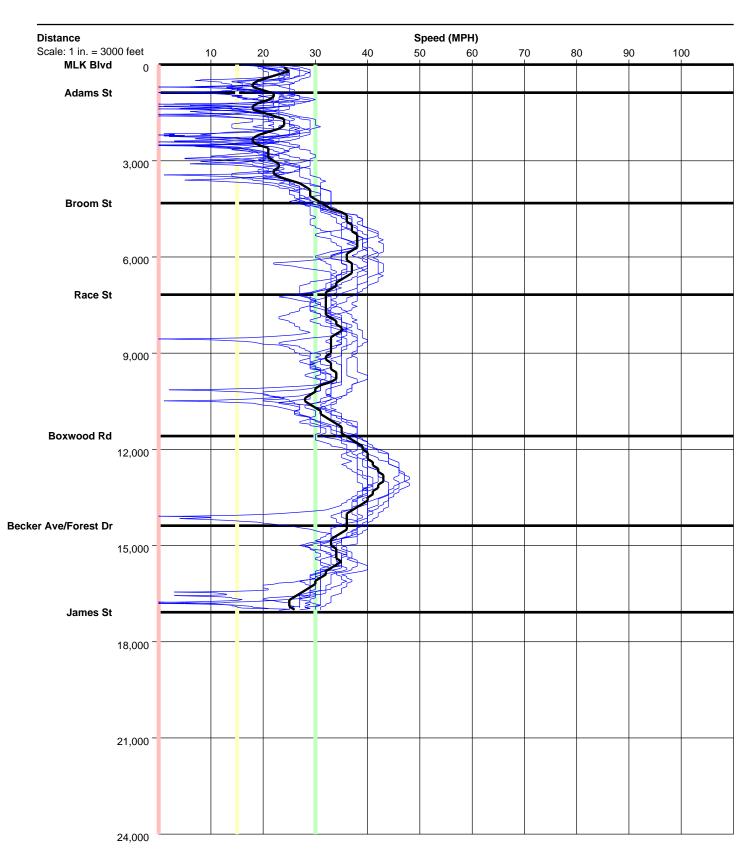
Travel Time (sec) by Section

Node #	Length	Node Name	Run #9
1	0	MLK Blvd	
2	873	Adams St	32
3	3443	Broom St	105
4	2860	Race St	57
5	4407	Boxwood Rd	91
6	2796	Becker Ave/Forest Dr	48
7	2700	James St	51
Totals	17079		384

SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Westbound SR 4 - PM Peak

Study Name : SR4_PM-WB Study Date : 5/9/2016 Page No. : 5

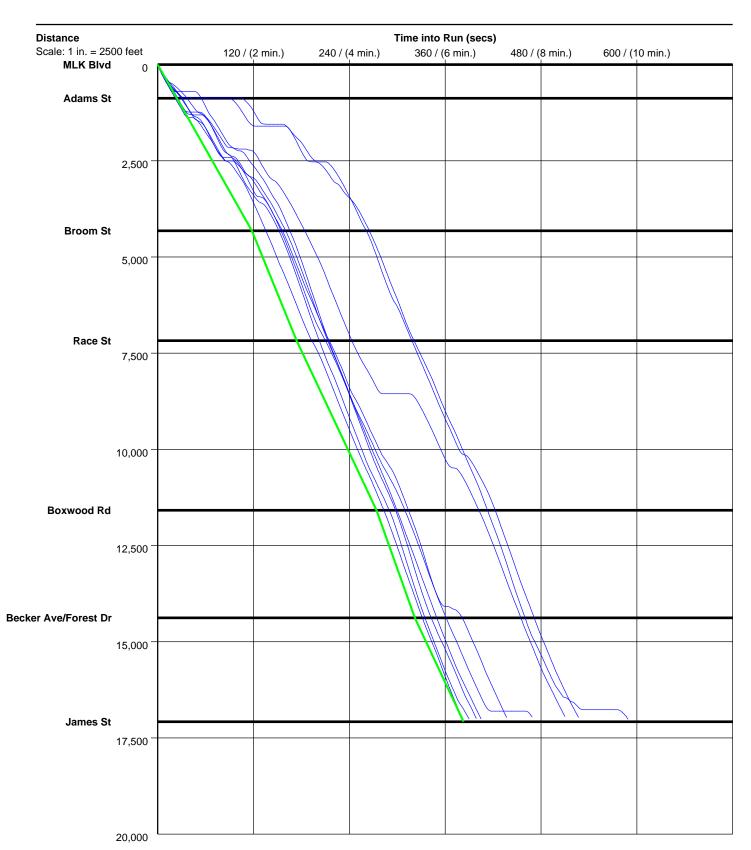
Speed/Distance Profiles of All Runs



SR 4 (Maryland Ave) Feasibility Study Travel Time Runs on Westbound SR 4 - PM Peak

Study Name : SR4_PM-WB Study Date : 5/9/2016 Page No. : 6

Time/Space Trajectories of All Runs



Solid Line is Normal Speed [Variable]

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - AM

Study Name : Maryland Ave - AM - EB Study Date : 9/8/2022 Page No. : 1

Study Summary

Runs Used in This Study

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
Maryland Ave - AM-EB-001	09/08/22	06:43	17545	After	Secondary
Maryland Ave - AM-EB-002	09/08/22	07:09	17508	After	Primary
Maryland Ave - AM-EB-003	09/08/22	07:40	17355	After	Secondary
Maryland Ave - AM-EB-004	09/08/22	08:13	17545	After	Secondary

Len	Name
0	James St
2873	Becker Ave/Forest Dr
2772	Boxwood Rd
4427	Race St
2844	Broom St
4592	MLK Blvd
	0 2873 2772 4427 2844

Length of Study Route = 17,508 feet

Notes:

Node Info

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - AM

Study Name : Maryland Ave - AM - EB Study Date : 9/8/2022 Page No. : 2

Overall Output Statistics

Node	Length	Node	Travel	# of	Avg	Total	Time <=	Time <=	Time <=
#			Time	Stops	Speed	Delay	0 MPH	15 MPH	30 MPH
1	0	James St							
2	2873	Becker Ave/Forest Dr	77.0	0.5	25.4	11.8	4.5	11.3	49.8
3	2772	Boxwood Rd	82.5	0.8	22.9	35.0	17.0	28.5	41.3
4	4427	Race St	143.3	1.3	21.1	42.0	34.8	49.0	80.0
5	2844	Broom St	101.3	1.8	19.2	45.5	14.3	38.0	77.5
6	4592	MLK Blvd	168.8	2.3	18.6	45.3	19.5	52.3	150.0
Total	17,508		572.8	6.5	20.8	179.5	90.0	179.0	398.5

Stats based on 4 AFTER runs.

Stops based on a Stop Speed of 5 MPH.

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - AM

Study Name : Maryland Ave - AM - EB Study Date : 9/8/2022 Page No. : 3

Detailed Statistics By Run

Travel Time (sec) by Section Maryland Ave - AM-EB-003 Maryland Ave - AM-EB-004 Maryland Ave - AM-EB-001 Maryland Ave - AM-EB-002

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4
1	0	James St				
2	2873	Becker Ave/Forest Dr	92	77	74	65
3	2772	Boxwood Rd	74	67	140	49
4	4427	Race St	122	126	168	157
5	2844	Broom St	142	79	84	100
6	4592	MLK Blvd	125	186	183	181
Totals	17508		555	535	649	552

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - AM

Study Name : Maryland Ave - AM - EB Study Date : 9/8/2022 : 4 Page No.

Detailed Statistics By Run

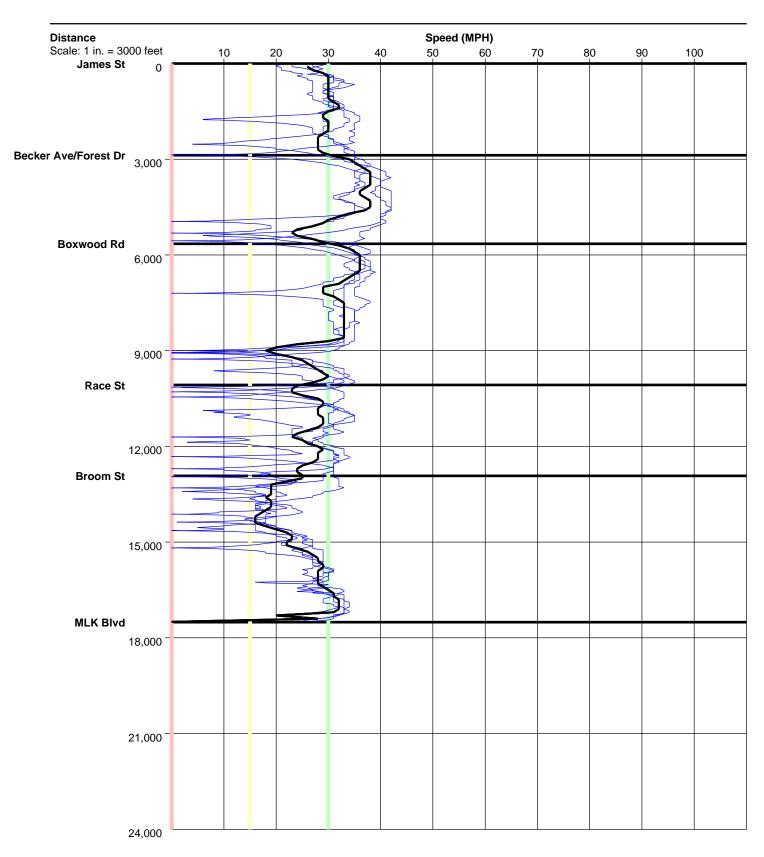
Average Speed (MPH) by Section Maryland Ave - AM-EB-003 Maryland Ave - AM-EB-004 -11 Manyland Ave - AM-EB-001 Maryland Ave - AM-EB-002

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4
1	0	James St				
2	2873	Becker Ave/Forest Dr	21.3	25.5	26.6	30.4
3	2772	Boxwood Rd	25.6	28.2	13.6	38.8
4	4427	Race St	24.8	23.9	17.9	19.1
5	2844	Broom St	13.6	24.5	22.9	19.3
6	4592	MLK Blvd	24.9	16.7	16.3	17.2
Totals	17508		21.5	22.3	18.2	21.6

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - AM

Study Name : Maryland Ave - AM - EB Study Date : 9/8/2022 Page No. : 5

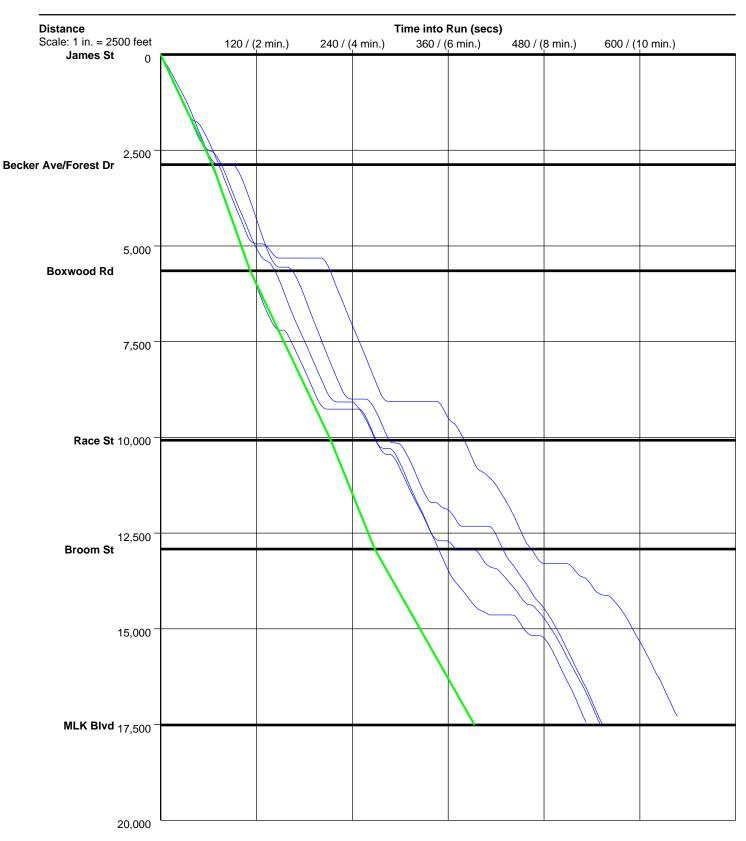
Speed/Distance Profiles of All Runs



SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - AM

Study Name : Maryland Ave - AM - EB Study Date : 9/8/2022 Page No. : 6

Time/Space Trajectories of All Runs



SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - AM

Study Name : Maryland Ave - AM - WB Study Date : 9/8/2022 Page No. :1

Study Summary

Runs Used in This Study

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
Maryland Ave - AM-WB-001	09/08/22	06:31	16947	After	Secondary
Maryland Ave - AM-WB-002	09/08/22	06:56	17194	After	Secondary
Maryland Ave - AM-WB-003	09/08/22	07:26	17065	After	Primary
Maryland Ave - AM-WB-004	09/08/22	08:02	16978	After	Secondary

Node Info

#	Len	Name
1	0	MLK Blvd
2	870	Adams St
3	3468	Broom St
4	2837	Race St
5	4411	Boxwood St
6	2745	Becker Ave/Forest Dr
7	2734	James St

Length of Study Route = 17,065 feet

Notes:

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - AM

Study Name : Maryland Ave - AM - WB Study Date : 9/8/2022 Page No. : 2

Overall Output Statistics

Node	Length	Node	Travel	# of	Avg	Total	Time <=	Time <=	Time <=
#			Time	Stops	Speed	Delay	0 MPH	15 MPH	30 MPH
1	0	MLK Blvd							
2	870	Adams St	27.3	0.0	21.8	3.3	0.0	4.3	26.8
3	3468	Broom St	151.0	2.3	15.7	55.8	33.3	62.8	149.5
4	2837	Race St	104.5	1.0	18.5	49.0	30.0	44.5	64.5
5	4411	Boxwood St	133.3	1.5	22.6	36.8	17.0	38.3	75.3
6	2745	Becker Ave/Forest Dr	56.8	0.3	33.0	9.5	1.0	3.0	14.0
7	2734	James St	70.0	0.3	26.6	12.3	7.8	14.8	39.0
Total	17,065		542.8	5.3	21.4	166.5	89.0	167.5	369.0

Stats based on 4 AFTER runs.

Stops based on a Stop Speed of 5 MPH.

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - AM

Study Name : Maryland Ave - AM - WB Study Date : 9/8/2022 Page No. :3

Detailed Statistics By Run

Travel Time (sec) by Section Maryland Ave - AM-WB-002 Maryland Ave - AM-WB-003 Maryland Ave - AM-WB-004 Maryland Ave - AM-WB-001

Node	Length	Node Name	Run #1	Run #2	Run #3	Run #4
#						
1	0	MLK Blvd				
2	870	Adams St	28	30	25	26
3	3468	Broom St	135	129	133	207
4	2837	Race St	112	115	114	77
5	4411	Boxwood St	94	182	165	92
6	2745	Becker Ave/Forest Dr	54	58	67	48
7	2734	James St	99	55	57	69
Totals	17065		522	569	561	519

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - AM

Study Name : Maryland Ave - AM - WB Study Date : 9/8/2022 Page No. :4

Detailed Statistics By Run

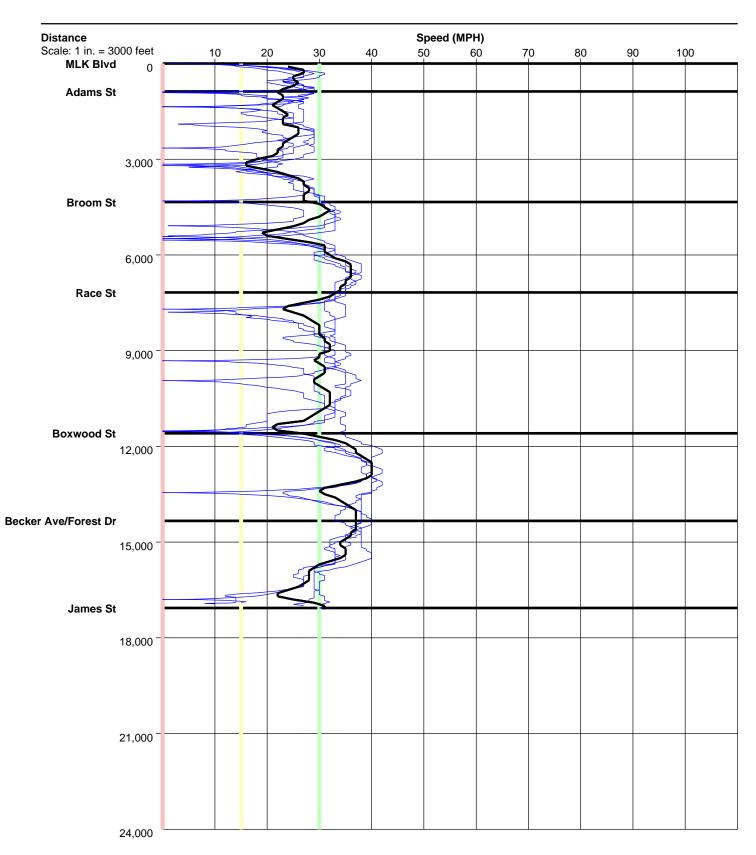
Average Speed (MPH) by Section Maryland Ave - AM-WB-002 Maryland Ave - AM-WB-003 Maryland Ave - AM-WB-004 Maryland Ave - AM-WB-001

Node	Length	Node Name	Run #1	Run #2	Run #3	Run #4
#						
1	0	MLK Blvd				
2	870	Adams St	21.8	19.9	23.8	23.3
3	3468	Broom St	17.4	18.5	17.8	11.4
4	2837	Race St	17.4	16.6	17.0	25.2
5	4411	Boxwood St	31.8	16.5	18.2	32.5
6	2745	Becker Ave/Forest Dr	34.8	33.0	27.9	39.2
7	2734	James St	17.6	33.7	32.3	25.9
Totals	17065		22.1	20.5	20.7	22.3

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - AM

Study Name : Maryland Ave - AM - WB Study Date : 9/8/2022 Page No. : 5

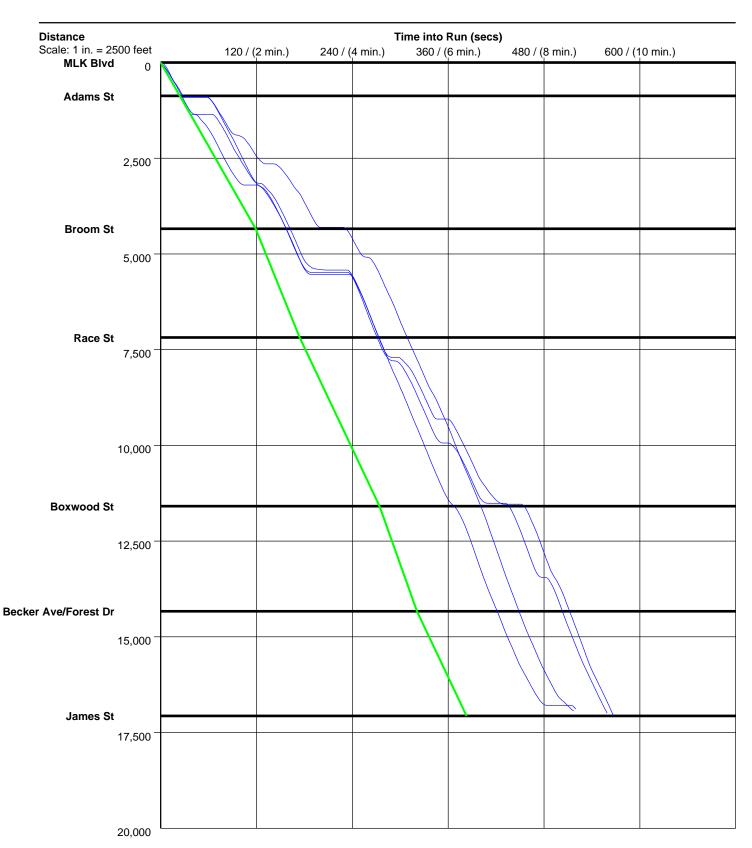
Speed/Distance Profiles of All Runs



SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - AM

Study Name : Maryland Ave - AM - WB Study Date : 9/8/2022 Page No. : 6

Time/Space Trajectories of All Runs



SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - PM

Study Name : Maryland Ave - PM - EB Study Date : 9/8/2022 Page No. : 1

Study Summary

Runs Used in This Study

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
Maryland Ave - PM-EB-001	09/08/22	16:43	17546	After	Secondary
Maryland Ave - PM-EB-002	09/08/22	17:09	17493	After	Primary
Maryland Ave - PM-EB-003	09/08/22	17:39	17542	After	Secondary
Maryland Ave - PM-EB-004	09/08/22	18:05	17418	After	Secondary
Maryland Ave - PM-EB-005	09/08/22	18:29	17663	After	Secondary

Node Info

#	Len	Name
1	0	James St
2	2835	Becker Ave/Forest Dr
3	2824	Boxwood Rd
4	4418	Race St
5	2847	Broom St
6	4569	MLK Blvd

Length of Study Route = 17,493 feet

Notes:

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - PM

Study Name : Maryland Ave - PM - EB Study Date : 9/8/2022 Page No. : 2

Overall Output Statistics

Node	Length	Node	Travel	# of	Avg	Total	Time <=	Time <=	Time <=
#			Time	Stops	Speed	Delay	0 MPH	15 MPH	30 MPH
1	0	James St							
2	2835	Becker Ave/Forest Dr	68.0	0.2	28.4	6.6	1.2	9.4	28.4
3	2824	Boxwood Rd	121.6	1.4	15.8	73.4	46.2	68.6	85.0
4	4418	Race St	134.6	1.0	22.4	35.8	25.6	37.8	81.0
5	2847	Broom St	126.0	1.6	15.4	70.6	23.6	53.4	119.4
6	4569	MLK Blvd	185.2	2.2	16.8	66.0	35.2	78.6	163.0
Total	17,493		635.4	6.4	18.8	252.4	131.8	247.8	476.8

Stats based on 5 AFTER runs.

Stops based on a Stop Speed of 5 MPH.

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - PM

Study Name : Maryland Ave - PM - EB Study Date : 9/8/2022 Page No. :3

Detailed Statistics By Run

Travel Time	(sec) by Section
	and Ave - PM-EB-001 Maryland Ave - PM-EB-002 Maryland Ave - PM-EB-003 Maryland Ave - PM-EB-004 Maryland Ave - PM-EB-005 Maryland Ave - PM-EB-005
	and Ave - Pin
Maryl	Maryland Maryland Maryland

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5
#							
1	0	James St					
2	2835	Becker Ave/Forest Dr	64	90	72	61	53
3	2824	Boxwood Rd	158	117	153	121	59
4	4418	Race St	91	111	171	110	190
5	2847	Broom St	150	136	134	106	104
6	4569	MLK Blvd	184	109	270	248	115
Totals	17493		647	563	800	646	521

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - PM

Study Name : Maryland Ave - PM - EB Study Date : 9/8/2022 Page No. :4

Detailed Statistics By Run

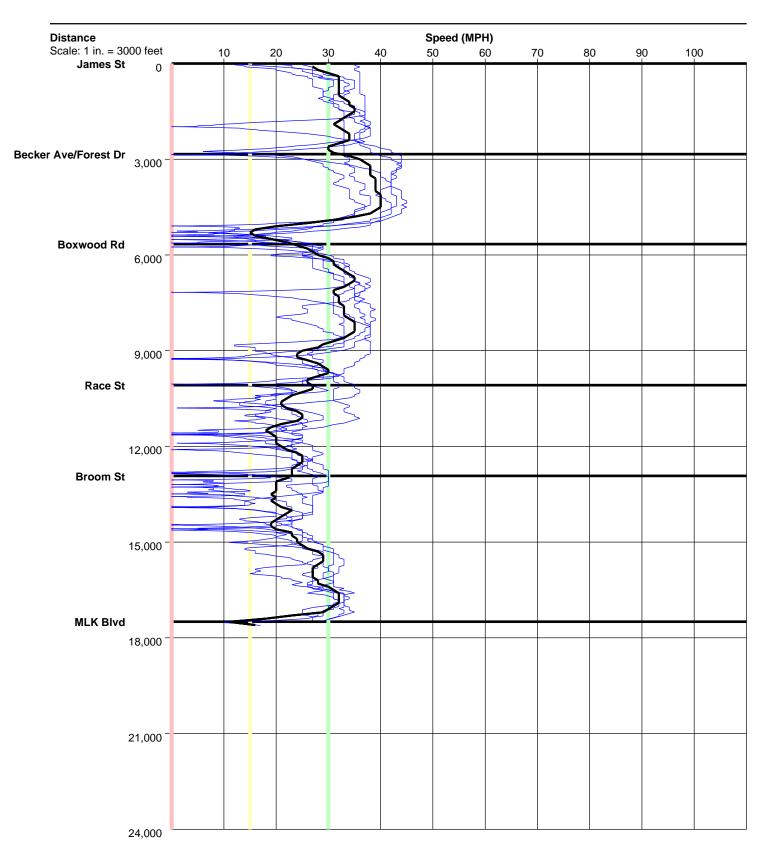
Average Sp	eed (M	PH) by Se	ection			
	-	NEB	-001	-002	-00 ³	B-004
	AN	ve-PNI-	Ave - PINI-	AVE-PNILL	Ave - PINI-	A AVE - PINI-
M	arylanu	ve - PM-EB Maryland	-001 Ave - PM-EB Maryland	-002 Ave - PM-EB Maryland	Marylan	B-004 d Ave - PM-EB-005

Node #	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5
1	0	James St					
2	2835	Becker Ave/Forest Dr	30.2	21.5	27.0	32.0	36.5
3	2824	Boxwood Rd	12.2	16.5	12.6	15.9	32.9
4	4418	Race St	33.2	27.1	17.7	27.5	15.9
5	2847	Broom St	13.0	14.3	14.3	18.0	18.4
6	4569	MLK Blvd	16.8	28.3	11.5	12.2	27.1
Totals	17493		18.4	21.1	14.9	18.3	22.9

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - PM

Study Name : Maryland Ave - PM - EB Study Date : 9/8/2022 Page No. : 5

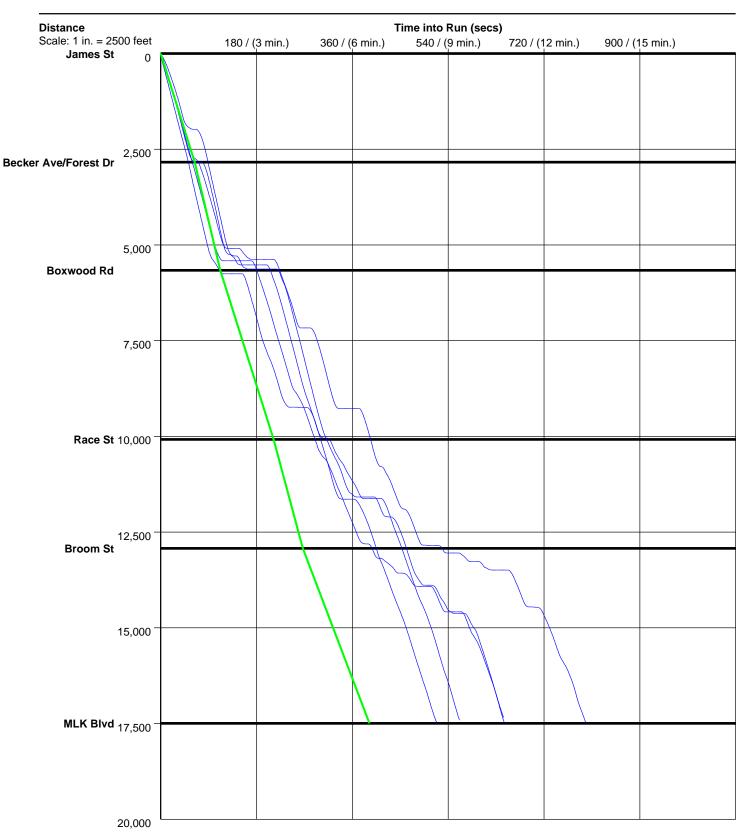
Speed/Distance Profiles of All Runs



SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor EB - PM

Study Name : Maryland Ave - PM - EB Study Date : 9/8/2022 Page No. : 6

Time/Space Trajectories of All Runs



Solid Line is Normal Speed [Variable]

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - PM

Study Name : Maryland Ave - PM - WB Study Date : 9/8/2022 Page No. :1

Study Summary

Runs Used in This Study

Run Title	Start Date	Start Time	Length	Before/ After	Run Type
Maryland Ave - PM-WB-001	09/08/22	16:31	17039	After	Primary
Maryland Ave - PM-WB-002	09/08/22	16:58	17188	After	Secondary
Maryland Ave - PM-WB-003	09/08/22	17:23	17192	After	Secondary
Maryland Ave - PM-WB-004	09/08/22	17:55	17332	After	Secondary
Maryland Ave - PM-WB-005	09/08/22	18:17	17208	After	Secondary

Node Info

#	Len	Name
1	0	MLK Blvd
2	986	Adams St
3	3493	Broom St
4	2845	Race St
5	4405	Boxwood Rd
6	2808	Becker St/Forest Dr
7	2502	James St

Length of Study Route = 17,039 feet

Notes:

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - PM

Study Name : Maryland Ave - PM - WB Study Date : 9/8/2022 Page No. : 2

Overall Output Statistics

Node	Length	Node	Travel	# of	Avg	Total	Time <=	Time <=	Time <=
#			Time	Stops	Speed	Delay	0 MPH	15 MPH	30 MPH
1	0	MLK Blvd							
2	986	Adams St	34.4	0.4	19.5	7.4	4.2	9.8	32.2
3	3493	Broom St	149.0	2.6	16.0	53.4	17.6	65.8	145.8
4	2845	Race St	128.4	1.2	15.1	72.6	46.4	65.8	100.8
5	4405	Boxwood Rd	133.0	1.6	22.6	32.6	13.2	32.0	90.6
6	2808	Becker St/Forest Dr	63.4	0.2	30.2	15.2	7.0	10.4	16.8
7	2502	James St	60.6	0.2	28.2	7.0	3.2	6.4	24.6
Total	17,039		568.8	6.2	20.4	188.2	91.6	190.2	410.8

Stats based on 5 AFTER runs.

Stops based on a Stop Speed of 5 MPH.

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - PM

Study Name : Maryland Ave - PM - WB Study Date : 9/8/2022 Page No. : 3

Detailed Statistics By Run

	Travel Time (sec) by Section Maryland Ave - PM-WB-001 Maryland Ave - PM-WB-002 Maryland Ave - PM-WB-003 Maryland Ave - PM-WB-005 Maryland Ave - PM-WB-005 Maryland Ave - PM-WB-005 Maryland Ave - PM-WB-005							
Node	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5	
#								
1	0	MLK Blvd						
2	986	Adams St	42	29	27	47	27	
3	3493	Broom St	201	135	148	111	150	
4	2845	Race St	135	119	136	130	122	
5	4405	Boxwood Rd	152	119	113	112	169	
6	2808	Becker St/Forest Dr	64	53	54	95	51	
7	2502	James St	61	87	52	51	52	
Totals	17039		655	542	530	546	571	

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - PM

Study Name : Maryland Ave - PM - WB Study Date : 9/8/2022 Page No. :4

Detailed Statistics By Run

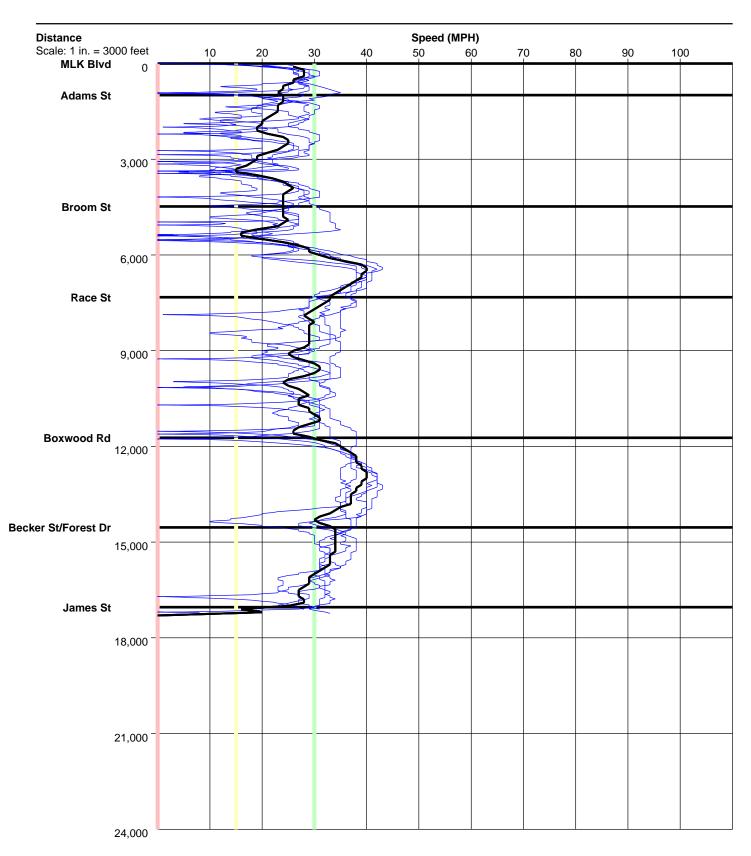
Average Sp	eed (MPH aryland Ave - Ma) by Section PM-WB-001 PM-WB-001 PM-WB-001 PM-WB-001 Ave- Ma	on PM-WB-002 aryland Ave - Ma	PM-WB-003 aryland Ave - Ma	PM-WB-004 aryland Ave -	PM-WB-005
de Name	Run #1	Run #2	Run #3	Run #4	Run #5	

Node	Length	Node Name	Run #1	Run #2	Run #3	Run #4	Run #5
#							
1	0	MLK Blvd					
2	986	Adams St	16.0	23.8	25.1	14.4	25.4
3	3493	Broom St	11.9	17.8	16.1	21.5	15.8
4	2845	Race St	14.3	16.1	14.3	15.1	16.0
5	4405	Boxwood Rd	19.8	25.2	26.6	26.6	17.8
6	2808	Becker St/Forest Dr	29.9	36.4	35.2	20.5	37.8
7	2502	James St	27.7	19.7	32.8	33.1	32.4
Totals	17039		17.7	21.5	21.9	21.3	20.4

SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - PM

Study Name : Maryland Ave - PM - WB Study Date : 9/8/2022 Page No. : 5

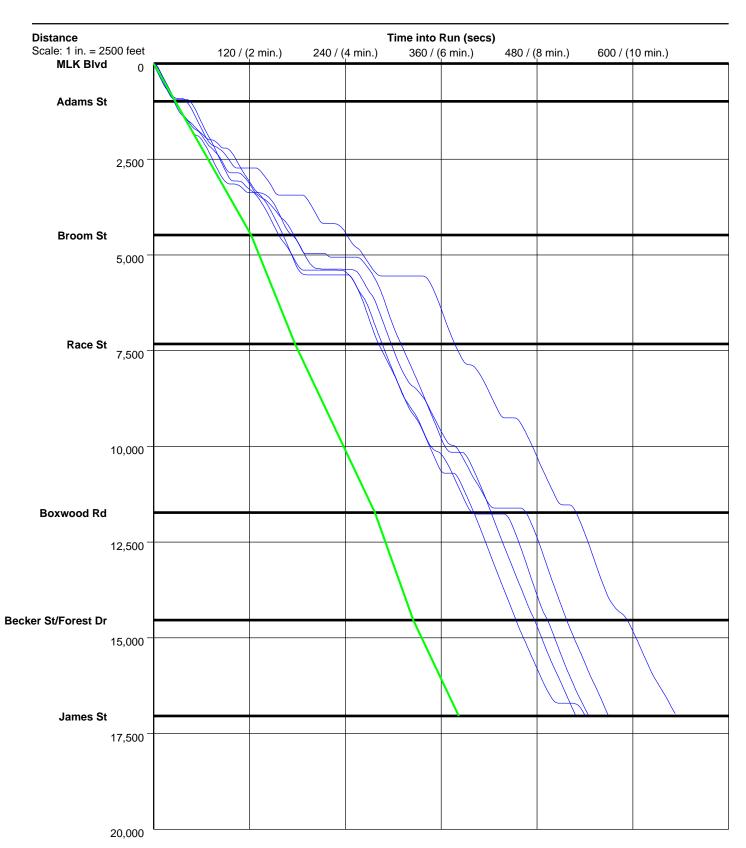
Speed/Distance Profiles of All Runs



SR 4 (Maryland Ave) SR 4 (Maryland Ave) Corridor WB - PM

Study Name : Maryland Ave - PM - WB Study Date : 9/8/2022 Page No. : 6

Time/Space Trajectories of All Runs



Solid Line is Normal Speed [Variable]

> File Name : Maryland Ave W of Cedar St Speed Study_EB Site Code : 21337001 Start Date : 9/8/2022 Page No : 1

#	Class 1
1	25
2	27
3	26
4	28
5	28
6	25
7	31
8	31 25
9	25
	20
10	27
11	25
12	26 25
13	25
14	23
15	28
16	19
17	32
18	26
19	35
20	35 26
21	35
22	35 28
23	20
23	22
24	33 28
	20
26	23 24
27	24
28	25
29	27
30	24
31	28
32	25
33	30
34	25
35	28
36	30
37	28
38	26
39	26
40	20
40	29 29
	29
42	22
43	23
44	26
45	24

File Name : Maryland Ave W of Cedar St Speed Study_EB Site Code : 21337001 Start Date : 9/8/2022 Page No : 2

#	Class 1
46	24
47	30
48	25
48 49	24
50	29
51	24
52	28
53	24
54	24
50 51 52 53 54 55 55 56	21
56	26
57	24
57 58	21
59	32
60	29
61 62	26
62	29
63	25
64	20
65	20
66	20
67	25
68	24
	27
69 70 71 72	24 30 25 24 29 24 28 24 24 24 21 26 24 21 32 29 26 29 26 29 25 20 20 20 20 25 24 27 22
71	27
72	27 27
73	

						Number of	Percent of		True Median		
		10 MPH Pace	Number in	Percent in	Average	Vehicles Over	Vehicles Over		(50th		
Class	Vehicle Count	Speed	Pace	Pace	Speed	25 MPH	25 MPH	15 Percentile	Percentile)	85 Percentile	95 Percentile
Class 1	72	20 - 29	62	86	26	39	54	23	26	29	32

> File Name : Maryland Ave W of Cedar St Speed Study_WB Site Code : 21337001 Start Date : 9/8/2022 Page No : 1

#	Class 1
1	31
2	29
3	30
3 4 5	18
5	25
6	26
7	27
8	29
9	28
10	25
11	27
12	30
13	<u>30</u> 27
14	27
14	26
16	26
17	25
17	25
10	
19	28
20	28
21	<u>30</u> 30
22	30
23	32
24	30
25	32
26	31
27	30
28	<u>31</u> 27
29	27
30	26
31	34
32	26
33	33
34	28
35	33 24
36	24
37	28
38	29
39	29
40	27
41	27
42	26
43	25
44	32
45	33
	••

File Name : Maryland Ave W of Cedar St Speed Study_WB Site Code : 21337001 Start Date : 9/8/2022 Page No : 2

#	Class 1
46	20
47	35
48	31
49	35
50	35 34
51	29
52	36
53	26
54 55	23
55	

						Number of	Percent of		True Median		
		10 MPH Pace	Number in	Percent in	Average	Vehicles Over	Vehicles Over		(50th		
Class	Vehicle Count	Speed	Pace	Pace	Speed	25 MPH	25 MPH	15 Percentile	Percentile)	85 Percentile	95 Percentile
Class 1	54	25 - 34	47	87	29	46	85	25	28	32	34

> File Name : Maryland Ave W of Robinson Ln Speed Study_EB Site Code : 21337001 Start Date : 9/8/2022 Page No : 1

#	Class 1
1	31
2	33
3	34
4	33
5	40
6	27
7	29
8	30
9	28
10	28
11	28
	29
12 13	26
13	29
14	30 29
15	29
16	28
17	29
18	28
19	31
20	28
21	25
22	30
23	31
24	28
25	29
26	30
27	<u>30</u> 30
28	29
29	28
30	43
31	
31	<u>30</u> 29
33	40
34	27
35	30 29
36	29
37	31
38	29
39	32
40	29
41	28
42	28
43	28
44	28
45	34
	÷ .

File Name : Maryland Ave W of Robinson Ln Speed Study_EB Site Code : 21337001 Start Date : 9/8/2022 Page No : 2

#	Class 1
46	27
47	28
48	29
49	28
50	28
51	31
52	27
53	29
54	30
55	30
56	27
57	44
58	29
59	24
60	29
61	30
62	30
63	40
64	42
65	33
66	38
67	34
68	36
69	33
70	30
71	32
72	37
73	
74	<u>37</u> 25
75	31
76	37
77	28
78	38
79	28
80	28
81	
	31 29
82	
83	43
84	32
85	32
86	31
87	33
88	28
89	34
90	29
91	28
92	34

File Name : Maryland Ave W of Robinson Ln Speed Study_EB Site Code : 21337001 Start Date : 9/8/2022 Page No : 3

#	Class 1
93	29
94	28
95	31
96	32
97	33 34 34 32
98	34
99	34
100	32
101	

		10 MPH Pace	Number in	Percent in	Average	Number of Vehicles Over	Percent of Vehicles Over		True Median (50th		
Class	Vehicle Count	Speed	Pace	Pace	Speed	35 MPH	35 MPH	15 Percentile	Percentile)	85 Percentile	95 Percentile
Class 1	100	25 - 34	86	86	31	13	13	28	30	34	40

> File Name : Maryland Ave W of Robinson Ln Speed Study_WB Site Code : 21337001 Start Date : 9/8/2022 Page No : 1

#	Class 1
1	31
2	28
3	32
3 4	31
5	31
6	35
7	35
8	36
9	47
10	31
11	28
	20
12	30
13	30
14	36 34
15	34
16	33
17	33
18	35
19	37
20	35
21	<u>36</u> 35
22	35
23	33
24	38
25	35
26	42
27	39
28	
29	33 28
30	36
31	45
32	37
33	43
34	35
35	40
	40 39
36	39
37	31
38	40
39	30
40	33
41	37
42	35 35
43	35
44	32
45	28

File Name : Maryland Ave W of Robinson Ln Speed Study_WB Site Code : 21337001 Start Date : 9/8/2022 Page No : 2

#	Class 1
46	30
47	29
48	35
49	40
50	34
51	36
52	44
53	32
54	42
55	37
56	37
57	39
58	36
59	37
60	33
61	<u>40</u> 37
62	
63	38
64	30
65	30
66	35
67	37
68	37
69	25
70	31
71	37
72	37
73	25
74	31
75	37
76	28
77	38
78	28
79	28
80	31
81	29
82	43
83	32
84	32
85	31
86	33
87	3328
88	34
	•
89	34
90	29
91	28
92	31

File Name : Maryland Ave W of Robinson Ln Speed Study_WB Site Code : 21337001 Start Date : 9/8/2022 Page No : 3

#	Class 1
93	32
94	29
95	34 34
96	34
97	32
98	29
99	38
100	33
101	

		10 MPH Pace	Number in	Percent in	Average	Number of Vehicles Over	Percent of Vehicles Over		True Median (50th		
Class	Vehicle Count	Speed	Pace	Pace	Speed	35 MPH	35 MPH	15 Percentile	Percentile)	85 Percentile	95 Percentile
Class 1	100	28 - 37	80	80	. 34	36	36	29	34	38	42

Description of Behaviors	Location	Behavior	Number of Occurrences
	Broom St intersection	EB veh turns left across painted median to store parking lot	2
	Broom St intersection	EB veh cuts through restaurant parking lot to E Latimer Pl	9
	Broom St intersection	WB veh cuts through store parking lot for illegal right turn to Broom St	8
	Broom St intersection	NB 9th Ave veh cuts through store veh parking lot to Broom St	1
Broom St illegal turns and cut-	Broom St intersection	WB veh illegal right turn to E Latimer PI	3
throughs	Broom St intersection	SB Broom St veh uses Little Caesars parking lot to turn right to avoid red light	3
	Broom St intersection	WB veh turns left from painted median	1
	Broom St intersection	SB Broom St veh uses store parking lot to make illegal left to EB Maryland Ave	4
	Broom St intersection	SB Broom St veh cuts through store parking lot to turn right	2
	Broom St intersection	SB Broom St veh uses shoulder to turn right on red into traffic circle to legally turn right onto WB Maryland Ave	3
	Alban St intersection	EB through veh uses bike lane to pass stopped traffic queue	2
	Alban St intersection	EB LT veh stopped in travel lane to turn left to McGovern; vehicles use bike lane to pass	1
	Broom St intersection	WB vehs using bike lane to pass stopped WBL veh	1
Motorist using bike lane, right-	Clayton Rd/Robinson Ln intersection	EB veh uses right-turn lane/bike lane to pass stopped traffic queue	1
turn lane, median, or opposing	Railroad tracks	EB veh using bike lane to get into right-turn lane and bypass traffic queue	1
travel lane to bypass queue	South two-way left-turn lane	EB veh driving in bike lane	1
	Alban St intersection	EB veh uses painted median to passed stopped traffic queue and run red light	1
	Clayton Rd/Robinson Ln intersection	EB veh uses WB travel lane to pass stopped LT traffic queue	1
	South two-way left-turn lane	WB veh uses painted median/TWLTL to pass WB traffic	2
	Alban St/McGovern Terr intersection	EB LT veh turns from WB LT lane	1
	Clayton Rd/Robinson Ln intersection	WB LT veh turns from EB LT lane	3
Iotorist using opposite-direction	Clayton Rd/Robinson Ln intersection	SB veh from Clayton uses EB LT lane to turn left into gas station	1
turn lane	Clayton Rd/Robinson Ln intersection	SB LT veh uses Sunoco to make "through" movement	1
	North two-way left-turn lane	EB veh crosses into WB LT lane to enter TWLTL	8
	North two-way left-turn lane	EB veh enters North TWLTL early	27
	North two-way left-turn lane	WB veh enters North TWLTL early	6
Motorist enters two-way left-turn	North two-way left-turn lane	EB veh enters North TWLTL early & encounters WB LT veh	1
lane early	South two-way left-turn lane	EB and WB LT vehs in TWLTL simultaneously navigate TWLTL	1
	South two-way left-turn lane	WB veh enters South TWLTL early	1
	Clayton Rd/Robinson Ln intersection	EB LT veh waited until downstream of first signal to move into LT lane	1
Motorist stopping in area	Clayton Rd/Robinson Ln intersection	SB RT veh from Clayton Rd turned right on red arrow & stopped within intersection as WB LT vehs were turning	1
between Clayton Rd and Robinson	Clayton Rd/Robinson Ln intersection	EB LT veh stopped within intersection	2
Ln	Clayton Rd/Robinson Ln intersection	NB LT veh turns from gas station at same time as Robinson Ln NB LT vehs	1
	Clayton Rd/Robinson Ln intersection	EB LT veh stopped between signals, but turned when opposing traffic stopped	1
Motorists turning to/from gas	Gas station median	WB veh turns from painted median into gas station	14
station using painted median	Gas station median	Veh exiting from gas station crosses painted median	2
Canby Park Shopping Center exit	Shopping Center	Veh exiting from shopping center driving on wrong side of median; makes illegal left turn	2
confusion	Shopping Center	Veh exiting from shopping center makes illegal left turn	1