



# MEMORANDUM

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**Date:** October 7, 2021  
**To:** Christopher Sylvester, P.E., PTOE  
DelDOT, Traffic Studies Manager  
**From:** Nicole Wilson, EIT – RK&K  
Stephanie Everett, PhD, P.E., PTOE – RK&K  
**CC:** Peter Haag, P.E., PTOE – DelDOT, Chief of Traffic Engineering  
Jim Burnett, P.E., PTOE – RK&K  
**Re:** Crash Trends at New All-Way Stop Control (AWSC) Locations

## INTRODUCTION

In February 2021, DelDOT published All-Way Stop Control (AWSC) Guidelines for Residential Streets. That document, which RK&K helped to create, focused primarily on intersections within subdivisions along low-speed residential streets. This memorandum, which includes a summary of before and after crash data at locations that were recently converted to All-Way Stop Control (AWSC) within the state of Delaware, addresses the safety impacts of AWSC at intersections of higher classification roadways, some of which did not meet the MUTCD AWSC warrants, or which met reduced MUTCD AWSC crash warrants based on FHWA’s *Interim Approval for Optional Use of an Alternative Warrant 7 – Crash Experience*. The memo concludes with a summary of findings and recommended next steps.

## AWSC LOCATIONS

DelDOT Traffic provided a list of 22 intersections that were converted to AWSC within the last five (5) years. Intersections without at least one full year of “after” crash data were subsequently removed from the list. Of the 22 intersections identified, 15 had at least one full year of “after” crash data. Crash data for the three-year period prior to conversion were used to evaluate “before” crash trends. Due to varying timelines for conversion, crash data were converted to annual frequencies for before and after comparisons. The 15 intersections evaluated are summarized in **Table 1** and additional intersection characteristics are further detailed in **Appendix A**.

**Table 1. New All-Way Stop Control Locations**

#	Major Road	Minor Road	Major Road Speed Limit	Functional Classification	Major Road AADT	Met MUTCD AWSC Crash Warrant
1	Delaware Ave	Woodland Beach Rd / Beach Ave	25	Minor Collector	572	No
2	K241 (Peach Basket Rd)	K240 (Turkey Point Rd)	50	Local	3,183	Yes
3	K371 (Barratts Chapel Rd)	K381 (Fox Chase Rd)	35	Major Collector	1,765	Yes
4	N53 (Thompson Station Rd)	N301 (Pleasant Hill Rd) / N302 (Hopkins Rd)	35	Local	4,260	Yes
5	S326 (Bethesda Rd)	S86 (Avenue of Honor)	50	Local	1,353	No
6	S326 (Bethesda Rd)	S432 (Governor Stockley Rd)	50	Local	887	No
7	S38 (Clendaniel Pond Rd)	S224 (Fleatown Rd)	50	Local	1,189	Yes



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**Table 1 (cont). New All-Way Stop Control Locations**

8	S46 (Old Furnace Rd)	S535 (Middleford Rd)	35	Major Collector	5,208	Yes
9	S47 (Johnson Rd)	S290 (Hurdle Ditch Rd)	45	Local	1,384	Yes
10	S62 (East Trap Pond Rd)	S329 (W. Piney Grove Rd / Whaleys Corner Rd)	50	Local	978	Yes
11	S750 (Shockley Town Rd)	S920 (Gum Rd)	50	Local	849	No
12	SR 30 (Gravel Hill Rd)	S47 (Springfield Rd / Johnson Rd)	50	Major Collector	4,546	No
13	SR 30 (Whitesville Rd)	S66 (Pepperbox Rd)	50	Major Collector	1,141	No
14	SR 30 (Whitesville Rd)	S68 (Old Stage Rd)	50	Major Collector	1,881	No
15	SR 5 (Harbeson Rd)	S292 (Forest Rd) / Anderson Corner Rd	50	Major Collector	4,549	Yes

**CRASH DATA TRENDS**

“Before” and “after” crash data was obtained for the 15 intersections that have recently been converted to AWSC. Crash data summaries were used to analyze annual average total crashes, rear end crashes, angle crashes, single vehicles crashes, injury crashes, and property damage only (PDO) crashes during the “before” and “after” periods at each intersection. The crash data reports can be found in **Appendix B. Table 2** summarizes the annual crash frequencies for all 15 study intersections and **Table 3** summarizes the same data for each individual intersection.

**Table 2. Annual Crashes at Newly Converted AWSC Intersections**

Total Annual Crashes from All Study Intersections	Crash Type					Severity		
	Total	Angle	Rear End	Single Vehicle	All Others	PDO	Injury	Fatal
Before	69.33	41.33	9.33	12.67	8.33	44.33	29.00	1.33
After	28.50	11.00	6.00	9.17	1.33	23.50	5.00	0.50
% Change	-59%	-73%	-36%	-28%	-84%	-47%	-83%	-63%

The data from these 15 intersections show that on average, all types of crashes (angle, rear-end, single vehicle, and “others”) decreased after conversion to AWSC. Similarly, the severity of crashes also decreased for all categories: property damage only, injury and fatal. While the data indicates that all crash types decreased on average with the conversion to AWSC, there were a few individual intersections that saw increases in specific types and severities of crashes. **Table 3** summarizes the changes in crash type and severity for all 15 intersections:

**Table 3. Annual Crash Changes by Intersection**

#	Intersection	% Change after Conversion to AWSC					
		Crash Type			Severity		
		All	Angle	Rear End	PDO	Injury	Fatal
1	Delaware Ave at Woodland Beach Rd / Beach Ave	50%	--	-100%	200%	-100%	--
2	Peach Basket Rd at Turkey Point Rd	-93%	-100%	-100%	-89%	-100%	--
3	Barratts Chapel Rd at Fox Chase Rd	-100%	-100%	--	-100%	-100%	-100%
4	Pleasant Hill Rd / Hopkins Rd at Thompson Station Rd	-85%	-100%	-100%	-82%	-100%	--
5	Bethesda Rd at Avenue of Honor	-100%	-100%	--	-100%	-100%	-100%
6	Bethesda Rd at Governor Stockley Rd	-50%	-63%	-100%	-25%	-100%	--
7	Clendaniel Pond Rd at Fleatown Rd	-100%	-100%	-100%	-100%	-100%	--
8	Old Furnace Rd at Middleford Rd	-18%	50%	-13%	-28%	13%	--
9	Johnson Rd at Hurdle Ditch Rd	-12%	4%	50%	9%	-50%	--*
10	East Trap Pond Rd at W. Piney Grove Rd / Whaleys Corner Rd	-63%	-77%	-100%	-30%	-100%	--
11	Shockley Town Rd at Gum Rd	-73%	-100%	-100%	-63%	-100%	--
12	Gravel Hill Rd at Springfield Rd / Johnson Rd	23%	-33%	--*	100%	-70%	--
13	Whitesville Rd at Pepperbox Rd	-86%	-100%	-100%	-67%	-100%	--
14	Whitesville Rd at Old Stage Rd	-40%	-100%	--	0%	-100%	-100%
15	Harbeson Rd at Forest Rd / Anderson Corner Rd	-74%	-81%	-100%	-68%	-83%	-100%

-- : No reported crashes before and after AWSC implementation

--\*: No reported crashes before AWSC implementation, and some number of crashes after implementation

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Roadway Functional Classification

Both local roads and collector roads alike saw significant reductions in annual crashes after converting to AWSC (see **Table 4** and **Table 5**). Local roads saw an increase in fatal crashes; however, the difference was less than 0.2 fatal crashes per year and this increase may be a result of having limited “after” crash data at some intersections. **Table 6** shows the fatal crashes and number of years of available “after” data for each of the local intersections that were recently converted to AWSC. At the intersection of Johnson Road at Hurdle Ditch Road, there were zero (0) fatal crashes before conversion, and there was one (1) fatal crash during the after period. Only two (2) full years of “after” data were available. Therefore, the annual crash frequency is equal to 0.50 crashes per year in the after period. In contrast, there was one (1) fatal crash at Bethesda Road and Avenue of Honor during the 3-year before period, which equates to 0.33 crashes per year. At the intersection of Bethesda Road and Avenue of Honor, there were zero (0) fatalities during the after period, indicating a 100% decrease in fatal crashes for that intersection.

Collector roads saw a 100% decrease in fatal crashes. Both of these fatal crash statistics are likely influenced by the relatively small sample size of intersections and correspondingly small number of fatal crashes. In all other categories, local roads had a larger reduction in annual crashes than collector roads. Additional years of “after” data would be necessary to confirm these trends at intersections converted to AWSC.

**Table 4. Annual Crash Changes at Newly Converted AWSC Intersections – Local Roads**

Crash Type	Annual Crashes by Type			Annual Crashes by Severity		
	Total	Angle	Rear End	PDO	Injury	Fatal
Before	36.33	24.67	3.67	24.00	16.33	0.33
After	10.67	6.00	0.50	9.67	1.00	0.50
% Change	-71%	-76%	-86%	-60%	-94%	50%

**Table 5. Annual Crash Changes at Newly Converted AWSC Intersections – Collector Roads**

Crash Type	Total	Angle	Rear End	PDO	Injury	Fatal
Before	33.00	16.67	5.67	20.33	12.67	1.00
After	17.83	5.00	5.50	13.83	4.00	0.00
% Change	-46%	-70%	-3%	-32%	-68%	-100%

**Table 6. Fatal Crash Statistics on Local Roads**

#	Intersection – Local Roads Only	Before – Fatal Crashes Only			After – Fatal Crashes Only			% Change
		Years of Data	Crashes	Yearly Crashes	Years of Data	Crashes	Yearly Crashes	
2	K241 (Peach Basket Rd) at K240 (Turkey Point Rd)	3	0	0.00	3	0	0.00	--
4	N301 (Pleasant Hill Rd) / N302 (Hopkins Rd) at N53 (Thompson Station Rd)	3	0	0.00	1	0	0.00	--
5	S326 (Bethesda Rd) at S86 (Avenue of Honor)	3	1	0.33	1	0	0.00	-100%
6	S326 (Bethesda Rd) at S432 (Governor Stockley Rd)	3	0	0.00	2	0	0.00	--
7	S38 (Clendaniel Pond Rd) at S224 (Fleatown Rd)	3	0	0.00	1	0	0.00	--
9	S47 (Johnson Rd) at S290 (Hurdle Ditch Rd)	3	0	0.00	2	1	0.50	Increase
10	S62 (East Trap Pond Rd) at S329 (W. Piney Grove Rd / Whaleys Corner Rd)	3	0	0.00	3	0	0.00	--
11	S750 (Shockley Town Rd) at S920 (Gum Rd)	3	0	0.00	1	0	0.00	--
<b>Total</b>			<b>1</b>	<b>0.33</b>	<b>-</b>	<b>1</b>	<b>0.50</b>	<b>+50%</b>

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MUTCD AWSC Crash Warrant

The Delaware Manual of Uniform Traffic Control Devices (DE-MUTCD) includes guidance for implementing multi-way stop control, consistent with the FHWA MUTCD. One of the criteria is the number of crashes within a 12-month period. If an intersection has 5 or more reported crashes in a 12-month period that are susceptible to correction by a multi-way stop installation, the criteria for multi-way stop control is satisfied.

Generally, of the 15 intersections studied, the intersections that met the crash warrants prior to AWSC implementation saw a reduction in crashes for all crash types and severities (see **Table 7**). The intersections that did not meet the crash warrants prior to AWSC implementation saw a minimal increase in rear-end crashes but saw a decrease in all other types and severities (see **Table 8**).

**Table 7. Annual Crash Changes at Newly Converted AWSC Intersections – Which Met Crash Warrant**

Crash Type	Total	Angle	Rear End	PDO	Injury	Fatal
Before	52.00	29.67	7.67	34.33	21.67	0.67
After	19.67	8.50	4.00	15.17	4.50	0.50
% Change	-62%	-71%	-48%	-56%	-79%	-25%

**Table 8. Annual Crash Changes at Newly Converted AWSC Intersections – Which Did Not Meet Crash Warrant**

Crash Type	Total	Angle	Rear End	PDO	Injury	Fatal
Before	17.33	11.67	1.67	10.00	7.33	0.67
After	8.83	2.50	2.00	8.33	0.50	0.00
% Change	-49%	-79%	20%	-17%	-93%	-100%

In addition to the multi-way stop control guidance in the DE-MUTCD, DelDOT has previously used reduced crash thresholds to evaluate multi-way stop requests as part of engineering studies. The reduced threshold was modeled after FHWA’s *Interim Approval for Optional Use of an Alternative Warrant 7 – Crash Experience* for traffic control signal studies. These reduced warrants are shown in **Appendix C**. Like the intersections that met the full crash warrants, intersections that met the reduced thresholds saw a reduction in crashes for all crash types and severities (see **Table 9**).

**Table 9. Annual Crash Changes at Newly Converted AWSC Intersections – Which Met Reduced Threshold**

Crash Type	Total	Angle	Rear End	PDO	Injury	Fatal
Before	56.00	39.00	5.00	34.67	25.33	1.00
After	17.50	9.00	2.50	15.50	2.00	0.50
% Change	-69%	-77%	-50%	-55%	-92%	-50%

Speed Limit

Changes in the annual number of crashes for roadways with lower speeds (25 to 45 mph) and higher speeds (50 mph) were also compared. **Table 10** and **Table 11** show the total number of crashes before and after conversion to AWSC for roadways with speed limits between 25 and 45 mph and speed limits of 50 mph, respectively.

**Table 10. Annual Crash Changes at Newly Converted AWSC Intersections – 25 to 45 MPH**

Crash Type	Total	Angle	Rear End	PDO	Injury	Fatal
Before	30.00	15.00	5.00	21.00	13.00	0.33
After	16.00	6.50	4.00	12.00	4.00	0.50
% Change	-47%	-57%	-20%	-43%	-69%	50%

**Table 11. Annual Crash Changes at Newly Converted AWSC Intersections – 50 MPH**

Crash Type	Total	Angle	Rear End	PDO	Injury	Fatal
Before	39.33	26.33	4.33	23.33	16.00	1.00
After	12.50	4.50	2.00	11.50	1.00	0.00
% Change	-68%	-83%	-54%	-51%	-94%	-100%

There does not appear to be any significant distinctions between the number of annual crashes at intersections along roads with lower posted speed limits (25 to 45 mph) compared to intersections along roads with higher posted speed limits (50 mph). In general, however, roadways with posted speed limits of 50 mph have a larger reduction in crashes in every crash type and

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severity when converted to AWSC. Again, the fatal crash statistics are likely influenced by the relatively small sample size of intersections and correspondingly small number of fatal crashes. There was one intersection with a lower posted speed limit at Johnson Road and Hurdle Ditch Road (posted speed 45 MPH), where there were zero (0) fatal crashes before conversion and one (1) fatal crash during the 2-year after period. As noted earlier, additional years of “after” data would be needed to confirm trends at intersections converted to AWSC.

2019 ADT

Annual changes in number of crashes for roadways with different Average Daily Traffic (ADT) were also compared. **Table 12** through **Table 14** show the total numbers of crashes before and after conversion to AWSC for roadways with low ADT (0-1,000 veh/day), medium ADT (1,001 – 3,000 veh/day), and higher ADT (>3,000 veh/day).

**Table 12. Annual Crash Changes at Newly Converted AWSC Intersections – LOW ADT (0 – 1000)**

Crash Type	Total	Angle	Rear End	PDO	Injury	Fatal
Before	12.67	8.00	1.67	7.67	5.00	0.00
After	5.33	1.50	0.00	5.33	0.00	0.00
% Change	-58%	-81%	-100%	-30%	-100%	--

**Table 13. Annual Crash Changes at Newly Converted AWSC Intersections – MEDIUM ADT (1001-3000)**

Crash Type	Total	Angle	Rear End	PDO	Injury	Fatal
Before	23.00	16.00	1.00	13.00	10.00	1.00
After	6.33	4.50	0.50	5.33	1.00	0.50
% Change	-72%	-72%	-50%	-59%	-90%	-50%

**Table 14. Annual Crash Changes at Newly Converted AWSC Intersections – HIGHER ADT (>3000)**

Crash Type	Total	Angle	Rear End	PDO	Injury	Fatal
Before	33.67	17.33	6.67	23.67	14.00	0.33
After	16.83	5.00	5.50	12.83	4.00	0.00
% Change	-50%	-71%	-18%	-46%	-71%	-100%

The comparison showed that intersections saw reductions in all crash types regardless of ADT after conversion to ASWC. Intersections with low ADT’s (1,000 or less veh/day) had the greatest reduction in rear end collisions, a 100% reduction.

**CRASH MODIFICATION FACTORS**

Existing crash modification factors (CMFs) for the conversion of a two-way stop to AWSC are available through the FHWA CMF Clearinghouse. CMFs less than 1.0 indicate an expected reduction in crashes, while CMFs greater than 1.0 indicate an expected increase in crashes after implementing a countermeasure. The Clearinghouse includes a range of CMF values for angle crashes, rear-end crashes, and total crashes associated with conversion to AWSC. CMF reports can be found in **Appendix D**.

The before and after crash data for the 15 subject intersections were used to calculate CMFs for total, angle, and rear-end crashes associated with the installation of All-Way Stop Control at intersections in Delaware. Mathematically, CMFs are equal to 1.0 minus the crash reduction (shown in **Table 2**) divided by 100. For example, if the conversion to AWSC results in a crash reduction of 59 percent, the corresponding CMF is  $1 - (59/100) = 0.41$ . The FHWA CMF Clearinghouse and this study’s CMFs can be found below in **Table 15**.

**Table 15. CMF Comparison**

Crash Type	Total	Angle	Left-Turn	Rear End
Delaware CMFs	0.41	0.27	--	0.64
CMF Clearinghouse	0.319 <sup>1</sup> – 0.690 <sup>2</sup>	0.170 <sup>2</sup> – 0.855 <sup>1</sup>	0.780 <sup>2</sup>	1.03 <sup>2</sup>

The table and statistics above help determine if the intersections within this study experienced approximately the same crash reductions as expected based on national experience summarized in the FHWA CMF Clearinghouse. The changes in crash rates experienced at intersections recently converted to AWSC in Delaware fall within the range of the CMFs from the Clearinghouse for total and angle crashes. The changes in rear end crashes at intersections recently converted in Delaware show a decrease in crashes, whereas the CMFs from the Clearinghouse predicted a slight increase in rear end crashes. The results presented in **Table 8** indicate a similar trend at all intersections that did not meet the MUTCD crash warrant for AWSC. However, when

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incorporating the reduced crash thresholds, intersections that met the reduced crash thresholds also had a reduction in rear end crashes following conversion to AWSC, as shown in **Table 9**. Based on the calculated and researched CMFs, it is reasonable to assume that converting an intersection to AWSC with similar characteristics to the study intersections can be expected to reduce the number of crashes at an intersection.

### **SUMMARY AND NEXT STEPS**

Based on crash and volume data from 15 intersections that have recently been converted to all-way stop control, intersections of roadways with similar classifications (local, minor collector, and major collector), volumes (up to approximately 5,000 AADT), and speeds (25 to 50 mph) as those evaluated in this study can all benefit from all-way stop control. Both intersections that met the MUTCD AWSC warrants and intersections that met the reduced crash warrants from FHWA IA-19 saw reductions in annual total crashes, angle crashes, and rear end crashes.

It is recommended that this study be updated in the future to include a larger sample size when sufficient “after” data is available for more recently converted intersections that may not meet the existing MUTCD crash warrants. A larger sample size will help confirm trends among various types of crashes as well as severities.

### **REFERENCES**

<sup>1</sup>Simpson, C.L. and Hummer, J.E., “Evaluation of the Conversion from Two-Way Stop Sign Control to All-Way Stop Sign Control at 53 Locations in North Carolina.” Transportation Safety and Security, Vol 2, No. 3, (2010) pp. 239-260

<sup>2</sup>Deng, Z., S. Kyrychenko, T. Lee, and R. Retting. “Estimate of the Safety Effect of All-Way Stop Control Conversion in Washington, DC.” Transportation Research Record No. 2674, Transportation Research Board of the National Academies of Science, Washington D.C., (2020).

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**APPENDICES:**

Appendix A: Intersection Details

Appendix B: Crash Data – Full Reports

Appendix C: Reduced Crash Thresholds

Appendix D: CMF Clearinghouse Reports

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Appendix A: Intersection Details



#	Major Road	Intersecting Road	Intersection Characteristics						Crash Warrants Met	Met Reduced Crash Thresholds	Years of Before Crash Data	Years of After Crash Data
			Rural/Urban	Major Road 2019 AADT	Minor Road 2019 AADT	Major Road Speed Limit	Functional Class					
1	Delaware Ave	Woodland Beach Rd / Beach Ave	Rural	572	513	25	Minor Collector	No	No	3	1	
2	K241 (Peach Basket Rd)	K240 (Turkey Point Rd)	Rural	3183	2485	50	Local	Yes	Yes	3	3	
3	K371 (Barratts Chapel Rd)	K381 (Fox Chase Rd)	Rural	1765	990	35	Major Collector	Yes	Yes	3	2	
4	N53 (Thompson Station Rd)	N301 (Pleasant Hill Rd) / N302 (Hopkins Rd)	Rural	4260	3464	35	Local	Yes	Yes	3	1	
5	S326 (Bethesda Rd)	S86 (Avenue of Honor)	Rural	1353	2035	50	Local	No	Yes	3	1	
6	S326 (Bethesda Rd)	S432 (Governor Stockley Rd)	Rural	887	1542	50	Local	No	Yes	3	2	
7	S38 (Clendaniel Pond Rd)	S224 (Fleatown Rd)	Rural	1189	1714	50	Local	Yes	Yes	3	1	
8	S46 (Old Furnace Rd)	S535 (Middleford Rd)	Rural	5208	7483	35	Major Collector	Yes	No	3	2	
9	S47 (Johnson Rd)	S290 (Hurdle Ditch Rd)	Rural	1384	1268	45	Local	Yes	Yes	3	2	
10	S62 (East Trap Pond Rd)	S329 (W. Piney Grove Rd / Whaleys Corner Rd)	Rural	978	630	50	Local	Yes	Yes	3	3	
11	S750 (Shockley Town Rd)	S920 (Gum Rd)	Rural	849	1507	50	Local	No	Yes	3	1	
12	SR 30 (Gravel Hill Rd)	S47 (Springfield Rd / Johnson Rd)	Rural	4546	1384	50	Major Collector	No	Yes	3	2	
13	SR 30 (Whitesville Rd)	S66 (Pepperbox Rd)	Rural	1141	1485	50	Major Collector	No	Yes	3	3	
14	SR 30 (Whitesville Rd)	S68 (Old Stage Rd)	Rural	1881	2206	50	Major Collector	No	No	3	1	
15	SR 5 (Harbeson Rd)	S292 (Forest Rd) / Anderson Corner Rd	Rural	4549	1106	50	Major Collector	Yes	Yes	3	2	

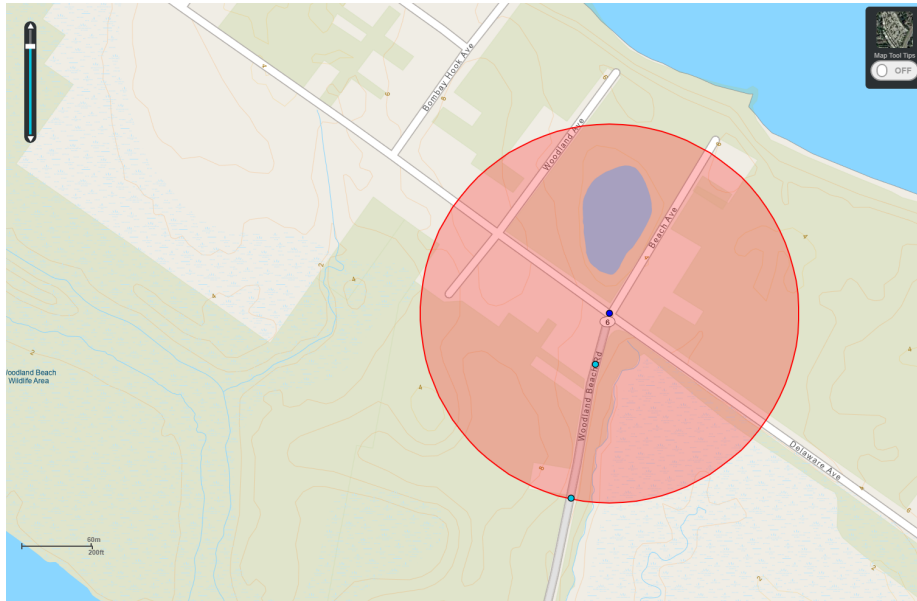
#	Major Road	Intersecting Road	Yearly Crashes before AWSC									Yearly Crashes after AWSC								
			Before Crashes	Before Rear End	Before Angle	Before Head on	Before Single Veh	Before Other	Before PDO	Before Injury	Before Fatal	After Crashes	After Rear End	After Angle	After Head on	After Single Veh	After Other	After PDO	After Injury	After Fatal
1	Delaware Ave	Woodland Beach Rd / Beach Ave	0.67	0.33	0.00	0.00	0.33	0.00	0.33	0.33	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00
2	K241 (Peach Basket Rd)	K240 (Turkey Point Rd)	4.67	1.33	2.67	0.33	0.00	0.67	3.00	1.67	0.00	0.33	0.00	0.00	0.00	0.33	0.00	0.33	0.00	0.00
3	K371 (Barratts Chapel Rd)	K381 (Fox Chase Rd)	6.00	0.00	4.33	0.00	1.33	0.33	3.00	3.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	N301 (Pleasant Hill Rd) / N302 (Hopkins Rd)	N53 (Thompson Station Rd)	6.67	0.33	5.00	0.33	2.67	2.67	5.67	5.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00
5	S326 (Bethesda Rd)	S86 (Avenue of Honor)	3.33	0.00	2.33	0.00	0.67	0.33	1.67	1.67	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	S326 (Bethesda Rd)	S432 (Governor Stockley Rd)	2.00	0.33	1.33	0.00	0.00	0.00	1.33	0.67	0.00	1.00	0.00	0.50	0.00	0.50	0.00	1.00	0.00	0.00
7	S38 (Clendaniel Pond Rd)	S224 (Fleatown Rd)	4.00	0.33	2.33	0.00	1.33	0.00	2.67	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	S46 (Old Furnace Rd)	S535 (Middleford Rd)	11.00	4.00	1.33	1.00	4.00	1.00	8.33	2.67	0.00	9.00	3.50	2.00	0.00	2.50	0.00	6.00	3.00	0.00
9	S47 (Johnson Rd)	S290 (Hurdle Ditch Rd)	5.67	0.33	4.33	0.67	0.00	1.00	3.67	2.00	0.00	5.00	0.50	4.50	0.00	0.00	0.00	4.00	1.00	0.50
10	S62 (East Trap Pond Rd)	S329 (W. Piney Grove Rd / Whaleys Corner Rd)	6.33	0.33	4.33	0.33	0.00	1.33	3.33	3.00	0.00	2.33	0.00	1.00	0.00	1.33	0.00	2.33	0.00	0.00
11	S750 (Shockley Town Rd)	S920 (Gum Rd)	3.67	0.67	2.33	0.00	0.67	0.00	2.67	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00
12	SR 30 (Gravel Hill Rd)	S47 (Springfield Rd / Johnson Rd)	3.67	0.00	3.00	0.00	0.33	0.33	2.00	1.67	0.00	4.50	2.00	2.00	0.00	0.50	0.00	4.00	0.50	0.00
13	SR 30 (Whitesville Rd)	S66 (Pepperbox Rd)	2.33	0.33	1.67	0.00	0.00	0.33	1.00	1.33	0.00	0.33	0.00	0.00	0.33	0.00	0.33	0.33	0.00	0.00
14	SR 30 (Whitesville Rd)	S68 (Old Stage Rd)	1.67	0.00	1.00	0.00	0.67	0.00	1.00	0.67	0.33	1.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00
15	SR 5 (Harbeson Rd)	S292 (Forest Rd) / Anderson Corner Rd	7.67	1.00	5.33	0.00	0.67	0.33	4.67	3.00	0.33	2.00	0.00	1.00	0.00	1.00	0.00	1.50	0.50	0.00
Total			<b>69.33</b>	<b>9.33</b>	<b>41.33</b>	<b>2.67</b>	<b>12.67</b>	<b>8.33</b>	<b>44.33</b>	<b>29.00</b>	<b>1.33</b>	<b>28.50</b>	<b>6.00</b>	<b>11.00</b>	<b>0.33</b>	<b>9.17</b>	<b>1.33</b>	<b>23.50</b>	<b>5.00</b>	<b>0.50</b>

**Crash Trends at New AWSC Locations  
Delaware Department of Transportation**

Appendix B: Crash Data – Full Reports

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2016 - 12/31/2018  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 2  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



*Disclaimer for CARS: Crash data and associated police reports are intended for DelDOT use only and shall not be transmitted, copied, distributed or provided to any entity other than DelDOT unless written approval is received from the DelDOT Legal Section. Police reports are the property of the Delaware State Police.*

## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	2	Non-Reportable	0	0.00%	Front to rear	1	50.00%
<b>Fatal Crashes</b>	0	Reportable	1	50.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	1	Personal Injury	1	50.00%	Angle	0	0.00%
<b>Total Non Alcohol-Related Crashes</b>	1	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>2</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	1	50.00%
					<b>Total</b>	<b>2</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	1	0	0	<b>1</b>
Non-Alcohol Related	0	0	1	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	1	0	<b>1</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	0	0	0	<b>0</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	50.00%
Monday	0	0.00%
Tuesday	1	50.00%
Wednesday	0	0.00%
Thursday	0	0.00%
Friday	0	0.00%
Saturday	0	0.00%
<b>Total</b>	<b>2</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	0	0.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>0</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	1	50.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	1	50.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>2</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	1	50.00%
Wet	1	50.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>2</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	2	100.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	0	0.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>2</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	1	50.00%
Cloudy	1	50.00%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>2</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	50.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	1	50.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>2</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	0	0.00%
Passed Stop Sign	0	0.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	1	50.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	1	50.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>2</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	1	33.33%
Failed to yield right of way	0	0.00%
Ran Red Light	0	0.00%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	1	33.33%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	1	33.33%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>3</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2017</b>															
05/30/2017	15:12	K	00009	7.95	7.95	Property Damage Only	Not a collision between two vehicles	Ditch	Driving under the influence	Daylight	Cloudy	Wet	0	0	Y

<b>2018</b>															
07/29/2018	18:11	K	00009	8.02	8.02	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	1	N

Report generated by TDTSCJM at 2021-02-19 14:31:39.89

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

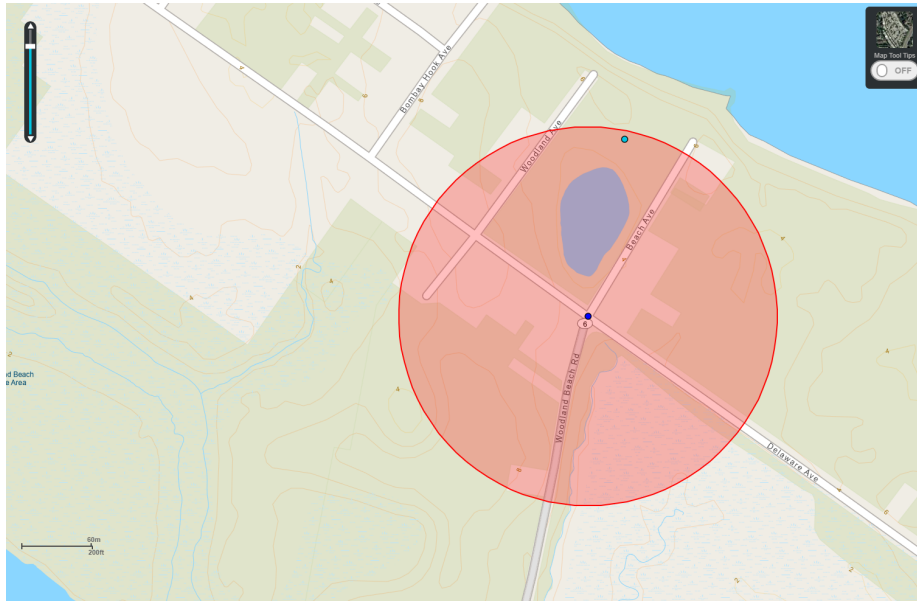
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2020 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 1  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
Total Crashes	1	Non-Reportable	0	0.00%	Front to rear	0	0.00%
Fatal Crashes	0	Reportable	1	100.00%	Front to front	0	0.00%
Total Alcohol-Related Crashes	0	Personal Injury	0	0.00%	Angle	0	0.00%
Total Non Alcohol-Related Crashes	1	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
Total Fatalities	0	<b>Total</b>	<b>1</b>		Sideswipe, opposite direction	1	100.00%
Total Pedestrian Fatalities	0				Rear to side	0	0.00%
Total Pedestrian Injuries	0				Rear to rear	0	0.00%
Total Pedestrian Crashes	0				Other	0	0.00%
Total Motorcycle Crashes	0				Unknown	0	0.00%
Total Pedalcyclist Crashes	0					0	0.00%
					<b>Total</b>	<b>1</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	0	0	0	<b>0</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	1	0	0	<b>1</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	0	0	0	<b>0</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	0	0.00%
Monday	0	0.00%
Tuesday	0	0.00%
Wednesday	0	0.00%
Thursday	0	0.00%
Friday	0	0.00%
Saturday	1	100.00%
<b>Total</b>	<b>1</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	0	0.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>0</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	0	0.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	1	100.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>1</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	1	100.00%
Wet	0	0.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	0	0.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	1	100.00%
Dark-Not Lighted	0	0.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	1	100.00%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	1	100.00%
<b>Total</b>	<b>1</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	0	0.00%
Passed Stop Sign	0	0.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	1	100.00%
<b>Total</b>	<b>1</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	0	
Failed to yield right of way	0	NaN%
Ran Red Light	0	NaN%
Ran Stop Sign	0	NaN%
Disregard other traffic sign	0	NaN%
Disregard other road markings	0	NaN%
Exceeded authorized speed limit	0	NaN%
Driving too fast for conditions	0	NaN%
Made an improper turn	0	NaN%
Improper backing	0	NaN%
Wrong side or wrong way	0	NaN%
Followed too closely	0	NaN%
Failure to keep in proper lane	0	NaN%
Ran off roadway	0	NaN%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	NaN%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	NaN%
Over-correcting/over-steering	0	NaN%
Improper Passing	0	NaN%
Other Contributing Action	0	NaN%
Unknown	0	NaN%
<b>Total</b>	<b>0</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
05/02/2020	20:00	K				Property Damage Only	Sideswipe, opposite direction	Unknown	Unknown	Dark-Lighted	Clear	Dry	0	0	N

2020

Report generated by TDTSCJM at 2021-02-19 14:33:53.554

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

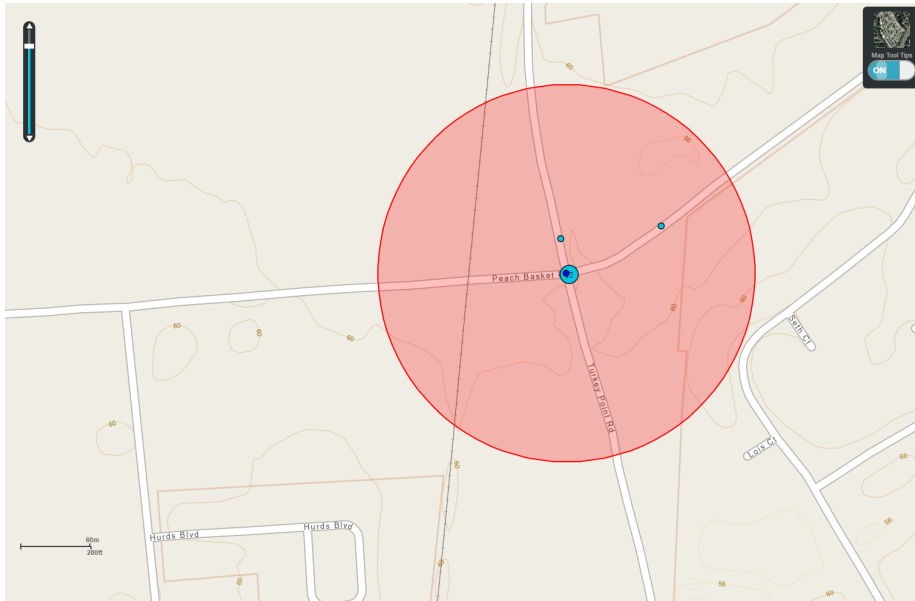
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2014 - 12/31/2016  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 14  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	14				Front to rear	4	28.57%
<b>Fatal Crashes</b>	0	Non-Reportable	0	0.00%	Front to front	1	7.14%
<b>Total Alcohol-Related Crashes</b>	0	Reportable	9	64.29%	Angle	8	57.14%
<b>Total Non Alcohol-Related Crashes</b>	14	Personal Injury	5	35.71%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	Fatality	0	0.00%	Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0	<b>Total</b>	<b>14</b>		Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	1	7.14%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0					0	0.00%
					<b>Total</b>	<b>14</b>	

Alcohol Related Crashes By Classification					
	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	9	5	0	<b>14</b>
<b>Total</b>	<b>0</b>	<b>9</b>	<b>5</b>	<b>0</b>	<b>14</b>

Manner of Impact By Classification					
	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	3	1	0	<b>4</b>
Front to front	0	0	1	0	<b>1</b>
Angle	0	5	3	0	<b>8</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	1	0	0	<b>1</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	0	0	0	<b>0</b>
<b>Total</b>	<b>0</b>	<b>9</b>	<b>5</b>	<b>0</b>	<b>14</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	7.14%
Monday	1	7.14%
Tuesday	2	14.29%
Wednesday	2	14.29%
Thursday	5	35.71%
Friday	0	0.00%
Saturday	3	21.43%
<b>Total</b>	<b>14</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	1	7.14%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	1	7.14%
08:00 - 08:59	0	0.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	3	21.43%
11:00 - 11:59	1	7.14%
<b>Total</b>	<b>6</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	1	7.14%
13:00 - 13:59	0	0.00%
14:00 - 14:59	2	14.29%
15:00 - 15:59	0	0.00%
16:00 - 16:59	4	28.57%
17:00 - 17:59	1	7.14%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>8</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	12	85.71%
Wet	2	14.29%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>14</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	14	100.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	0	0.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>14</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	10	71.43%
Cloudy	2	14.29%
Fog, Smog, Smoke	0	0.00%
Rain	2	14.29%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>14</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	14	100.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>14</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	4	28.57%
Passed Stop Sign	3	21.43%
Disregard Traffic Signal	3	21.43%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	1	7.14%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	1	7.14%
Driving in a careless or reckless manner	2	14.29%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>14</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	14	50.00%
Failed to yield right of way	5	17.86%
Ran Red Light	0	0.00%
Ran Stop Sign	3	10.71%
Disregard other traffic sign	1	3.57%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	1	3.57%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	3	10.71%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	1	3.57%
Unknown	0	0.00%
<b>Total</b>	<b>28</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2014</b>															
03/06/2014	10:27	K				Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Cloudy	Dry	0	0	N
03/27/2014	16:37	K	00241	1.15	1.15	Property Damage Only	Other	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	0	N
05/07/2014	07:19	K				Personal Injury Crash	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	2	N
08/12/2014	16:00	K				Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Rain	Wet	0	0	N
08/17/2014	10:52	K	00241	1.15	1.15	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
10/02/2014	17:31	K	00240	0.71	0.71	Personal Injury Crash	Front to front	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	N
11/29/2014	11:42	K	00240	0.71	0.71	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	0	N

**2015**

09/01/2015	16:25	K				Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	0	N
09/12/2015	12:08	K				Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Rain	Wet	0	1	N

**2016**

04/07/2016	14:19	K	00241	1.21	1.21	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
06/25/2016	16:11	K	00241	1.15	1.15	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	2	N
07/20/2016	10:00	K	00241	1.15	1.15	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	0	N
09/01/2016	14:35	K	00240	0.71	0.71	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Cloudy	Dry	0	1	N
12/12/2016	00:00	K	00240	0.71	0.71	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N

**Report generated by TDTSCJM at 2021-02-19 13:28:47.309**

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

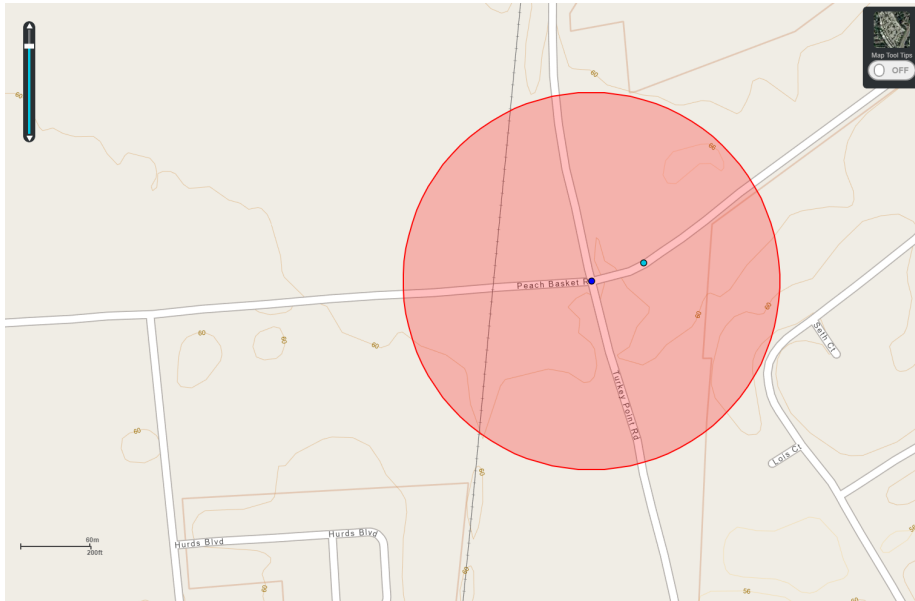
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2018 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 1  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	1	Non-Reportable	0	0.00%	Front to rear	0	0.00%
<b>Fatal Crashes</b>	0	Reportable	1	100.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	0	0.00%	Angle	0	0.00%
<b>Total Non Alcohol-Related Crashes</b>	1	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>1</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	1	100.00%
					<b>Total</b>	<b>1</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	0	0	0	<b>0</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	100.00%
Monday	0	0.00%
Tuesday	0	0.00%
Wednesday	0	0.00%
Thursday	0	0.00%
Friday	0	0.00%
Saturday	0	0.00%
<b>Total</b>	<b>1</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	0	0.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>0</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	0	0.00%
16:00 - 16:59	1	100.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>1</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	1	100.00%
Wet	0	0.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	0	0.00%
Dawn	0	0.00%
Dusk	1	100.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	0	0.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	1	100.00%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	100.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>1</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	0	0.00%
Passed Stop Sign	0	0.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
Mechanical defects	1	100.00%
Animal in Roadway - Deer	0	0.00%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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<b>Driver Action</b>		
	<b># of Drivers</b>	<b>% of Total Crashes</b>
No Contributing Action	1	100.00%
Failed to yield right of way	0	0.00%
Ran Red Light	0	0.00%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	0.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
01/21/2018	16:57	K	00241	1.18	1.18	Property Damage Only	Not a collision between two vehicles	Motor Vehicle in Transport	Mechanical defects	Dusk	Clear	Dry	0	0	N

2018

Report generated by TDTSCJM at 2021-02-19 13:31:28.642

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

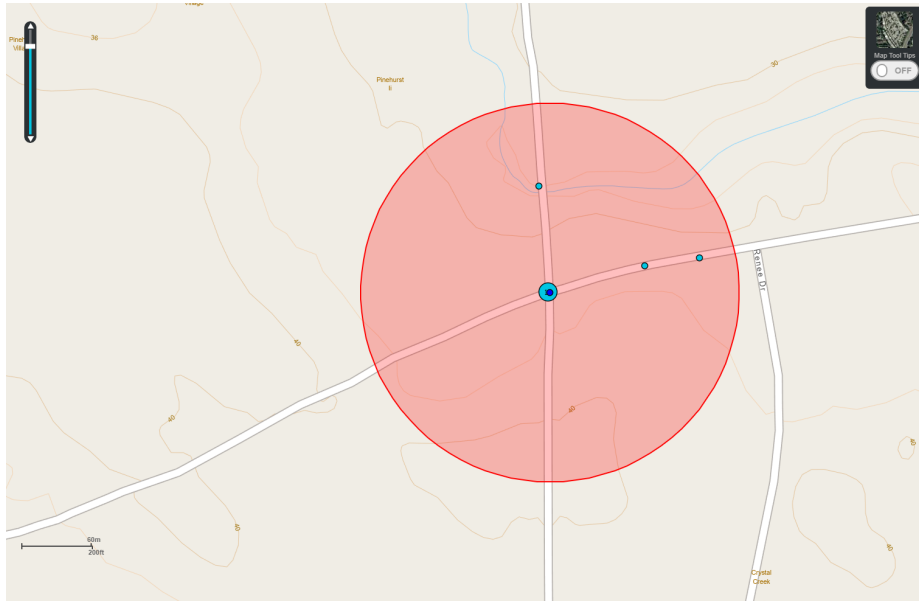
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2015 - 12/31/2017  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 18  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	18	Non-Reportable	0	0.00%	Front to rear	0	0.00%
<b>Fatal Crashes</b>	1	Reportable	9	50.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	8	44.44%	Angle	13	72.22%
<b>Total Non Alcohol-Related Crashes</b>	18	Fatality	1	5.56%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	1	<b>Total</b>	<b>18</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	1	5.56%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	4	22.22%
					<b>Total</b>	<b>18</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	9	8	1	<b>18</b>
<b>Total</b>	<b>0</b>	<b>9</b>	<b>8</b>	<b>1</b>	<b>18</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	6	6	1	<b>13</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	1	0	<b>1</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	3	1	0	<b>4</b>
<b>Total</b>	<b>0</b>	<b>9</b>	<b>8</b>	<b>1</b>	<b>18</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	5.56%
Monday	1	5.56%
Tuesday	3	16.67%
Wednesday	3	16.67%
Thursday	3	16.67%
Friday	5	27.78%
Saturday	2	11.11%
<b>Total</b>	<b>18</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	2	11.11%
07:00 - 07:59	0	0.00%
08:00 - 08:59	3	16.67%
09:00 - 09:59	1	5.56%
10:00 - 10:59	1	5.56%
11:00 - 11:59	3	16.67%
<b>Total</b>	<b>10</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	2	11.11%
15:00 - 15:59	2	11.11%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	4	22.22%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>8</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	16	88.89%
Wet	2	11.11%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>18</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	14	77.78%
Dawn	1	5.56%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	3	16.67%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>18</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	12	66.67%
Cloudy	4	22.22%
Fog, Smog, Smoke	0	0.00%
Rain	3	16.67%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>19</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	3	16.67%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	14	77.78%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	1	5.56%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>15</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	4	22.22%
Passed Stop Sign	5	27.78%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	4	22.22%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	3	16.67%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	2	11.11%
Unknown	0	0.00%
<b>Total</b>	<b>18</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	17	53.13%
Failed to yield right of way	4	12.50%
Ran Red Light	0	0.00%
Ran Stop Sign	5	15.63%
Disregard other traffic sign	2	6.25%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	1	3.13%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	1	3.13%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	2	6.25%
Unknown	0	0.00%
<b>Total</b>	<b>32</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2015</b>															
01/05/2015	18:35	K				Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Not Lighted	Clear	Dry	0	0	N
02/04/2015	18:08	K				Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Dark-Not Lighted	Clear	Dry	0	0	N
04/17/2015	08:52	K	00371	2.01	2.01	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Rain	Wet	0	0	N
05/15/2015	15:37	K				Personal Injury Crash	Other	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	4	N
07/28/2015	09:00	K				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	2	N
07/30/2015	08:51	K	00371	2.01	2.01	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
12/18/2015	14:10	K	00371	2.01	2.01	Fatality Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	1	1	N

<b>2016</b>															
01/12/2016	18:35	K	00381	0.92	0.92	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dark-Not Lighted	Clear	Dry	0	0	N
02/04/2016	10:28	K	00381	0.87	0.87	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N
05/04/2016	06:33	K	00381	0.87	0.87	Personal Injury Crash	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dawn	Rain	Wet	0	2	N
07/24/2016	11:10	K	00371	2.06	2.06	Personal Injury Crash	Not a collision between two vehicles	Ditch	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	2	N
11/05/2016	11:11	K	00381	0.87	0.87	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Daylight	Clear	Dry	0	0	N

<b>2017</b>															
02/15/2017	06:52	K	00371	2.09	2.09	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Daylight	Rain	Dry	0	0	N

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2017</b>															
03/16/2017	11:10	K				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	1	N
04/07/2017	15:39	K				Personal Injury Crash	Angle	Motor Vehicle in Transport	Other	Daylight	Cloudy	Dry	0	1	N
05/02/2017	08:17	K	00381	0.87	0.87	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
09/15/2017	18:25	K	00381	0.87	0.87	Personal Injury Crash	Angle	Motor Vehicle in Transport	Other	Daylight	Cloudy	Dry	0	4	N
11/04/2017	14:11	K	00381	0.87	0.87	Personal Injury Crash	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear - Cloudy	Dry	0	1	N

Report generated by TDTSCJM at 2021-02-19 14:24:44.577

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

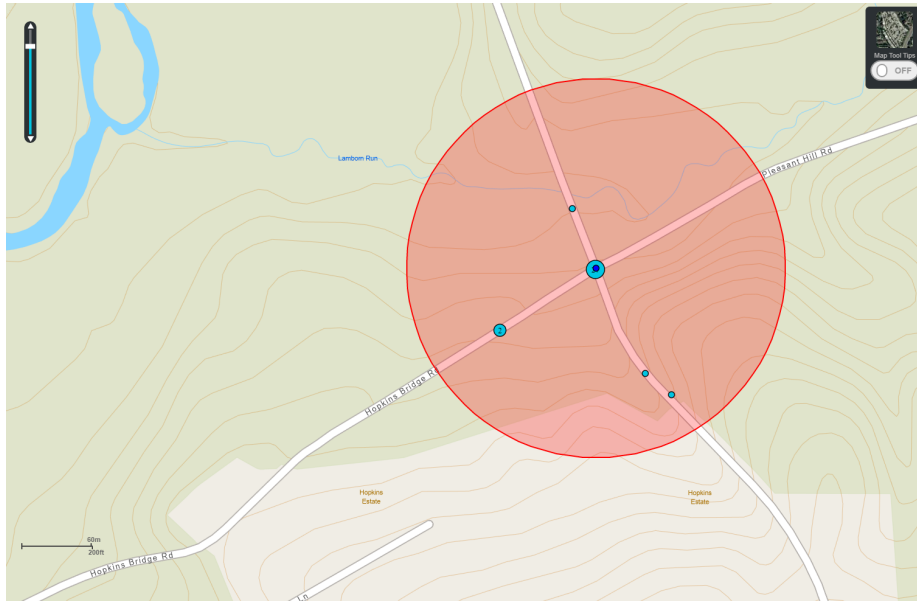
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2016 - 12/31/2018  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 32  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	32	Non-Reportable	0	0.00%	Front to rear	1	3.13%
<b>Fatal Crashes</b>	0	Reportable	17	53.13%	Front to front	1	3.13%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	15	46.88%	Angle	15	46.88%
<b>Total Non Alcohol-Related Crashes</b>	32	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>32</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	7	21.88%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	8	25.00%
					<b>Total</b>	<b>32</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	17	15	0	<b>32</b>
<b>Total</b>	<b>0</b>	<b>17</b>	<b>15</b>	<b>0</b>	<b>32</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	1	0	0	<b>1</b>
Front to front	0	0	1	0	<b>1</b>
Angle	0	7	8	0	<b>15</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	2	5	0	<b>7</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	7	1	0	<b>8</b>
<b>Total</b>	<b>0</b>	<b>17</b>	<b>15</b>	<b>0</b>	<b>32</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	3.13%
Monday	2	6.25%
Tuesday	7	21.88%
Wednesday	7	21.88%
Thursday	4	12.50%
Friday	8	25.00%
Saturday	3	9.38%
<b>Total</b>	<b>32</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	1	3.13%
07:00 - 07:59	1	3.13%
08:00 - 08:59	0	0.00%
09:00 - 09:59	1	3.13%
10:00 - 10:59	0	0.00%
11:00 - 11:59	2	6.25%
<b>Total</b>	<b>5</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	1	3.13%
13:00 - 13:59	1	3.13%
14:00 - 14:59	0	0.00%
15:00 - 15:59	7	21.88%
16:00 - 16:59	3	9.38%
17:00 - 17:59	5	15.63%
18:00 - 18:59	3	9.38%
19:00 - 19:59	2	6.25%
20:00 - 20:59	1	3.13%
21:00 - 21:59	0	0.00%
22:00 - 22:59	2	6.25%
23:00 - 23:59	2	6.25%
<b>Total</b>	<b>27</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	25	78.13%
Wet	5	15.63%
Snow	0	0.00%
Ice/Frost	1	3.13%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	1	3.13%
<b>Total</b>	<b>32</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	21	65.63%
Dawn	1	3.13%
Dusk	3	9.38%
Dark-Lighted	0	0.00%
Dark-Not Lighted	7	21.88%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>32</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	25	78.13%
Cloudy	3	9.38%
Fog, Smog, Smoke	0	0.00%
Rain	4	12.50%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	1	3.13%
Blowing Snow	0	0.00%
Severe Crosswinds	1	3.13%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	1	3.13%
<b>Total</b>	<b>35</b>	

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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	1	3.13%
Other Non-Collision, Non-Collision	0	0.00%
Pedestrian, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	3.13%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	25	78.13%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	3.13%
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	0	0.00%
Ditch, Collision With Fixed Object	2	6.25%
Embankment, Collision With Fixed Object	1	3.13%

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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	1	3.13%
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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>31</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	11	34.38%
Passed Stop Sign	5	15.63%
Disregard Traffic Signal	1	3.13%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	6	18.75%
Driving in a careless or reckless manner	1	3.13%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	2	6.25%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	2	6.25%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	3	9.38%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	1	3.13%
Unknown	0	0.00%
<b>Total</b>	<b>32</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	31	50.82%
Failed to yield right of way	14	22.95%
Ran Red Light	0	0.00%
Ran Stop Sign	5	8.20%
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	1	1.64%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	1	1.64%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	5	8.20%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	4	6.56%
Unknown	0	0.00%
<b>Total</b>	<b>61</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2016</b>															
03/08/2016	07:57	N	00053	1.28	1.28	Personal Injury Crash	Other	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	N
03/15/2016	15:30	N				Personal Injury Crash	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Wet	0	1	N
05/20/2016	20:30	N				Property Damage Only	Not a collision between two vehicles	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dusk	Clear	Dry	0	0	N
07/11/2016	17:00	N	00053	1.28	1.28	Property Damage Only	Not a collision between two vehicles	Other Post, Pole or Support	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
08/06/2016	22:15	N				Personal Injury Crash	Other	Motor Vehicle in Transport	Passed Stop Sign	Dark-Not Lighted	Clear	Dry	0	1	N
08/15/2016	16:10	N	00053	1.28	1.28	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	0	N
08/17/2016	06:25	N				Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Dawn	Clear	Dry	0	0	N
12/24/2016	11:45	N	00302	1.76	1.76	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Rain	Wet	0	1	N
12/30/2016	15:20	N				Property Damage Only	Other	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N

**2017**

02/03/2017	17:45	N				Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Not Lighted	Clear	Dry	0	0	N
03/23/2017	15:55	N				Personal Injury Crash	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	1	N
03/29/2017	19:30	N				Personal Injury Crash	Not a collision between two vehicles	Embankment	Driving in a careless or reckless manner	Dark-Not Lighted	Clear	Dry	0	1	N
04/07/2017	17:56	N	00053	1.28	1.28	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dusk	Clear	Dry	0	1	N
05/25/2017	09:50	N				Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Rain - Cloudy	Wet	0	2	N

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2017</b>															
06/15/2017	18:06	N	00053	1.28	1.28	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
07/20/2017	23:45	N				Personal Injury Crash	Other	Motor Vehicle in Transport	Failed to yield right of way	Dark-Not Lighted	Clear	Dry	0	2	N
07/25/2017	18:22	N				Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	2	N
07/29/2017	15:25	N	00301	0	0.00	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Cloudy - Rain	Wet	0	5	N
09/15/2017	17:45	N				Property Damage Only	Angle	Motor Vehicle in Transport	Other improper driving	Daylight	Clear	Dry	0	0	N
09/26/2017	15:45	N	00302	1.76	1.76	Property Damage Only	Not a collision between two vehicles	Ditch	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
09/27/2017	16:37	N				Personal Injury Crash	Other	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	N
10/24/2017	15:02	N				Personal Injury Crash	Other	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	N
12/13/2017	16:37	N	00053	1.22	1.22	Personal Injury Crash	Front to front	Motor Vehicle in Transport	Other improper driving	Dark-Not Lighted	Clear	Dry	0	3	N
12/13/2017	23:25	N				Property Damage Only	Not a collision between two vehicles	Bridge Pier or Support	Other environmental circumstances - weather, glare	Dark-Not Lighted	Snow	Ice/Frost	0	0	N
12/29/2017	13:03	N	00302	1.76	1.76	Property Damage Only	Other	Motor Vehicle in Transport	Other	Daylight	Clear	Dry	0	0	N
05/12/2017	19:10	N	00053	1.2	1.20	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dusk	Cloudy	Dry	0	0	N

<b>2018</b>															
09/18/2018	18:04	N	00302	1.69	1.69	Property Damage Only	Not a collision between two vehicles	Ditch	Animal in Roadway - Deer	Daylight	Clear	Dry	0	0	N
02/27/2018	22:31	N				Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Not Lighted	Clear	Dry	0	0	N

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
03/02/2018	15:15	N				Property Damage Only	Not a collision between two vehicles	Thrown or Falling Object	Other environmental circumstances - weather, glare	Daylight	Severe Crosswinds - Rain	Wet	0	0	N
03/28/2018	11:26	N	00053	1.28	1.28	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
10/07/2018	17:30	N	00053	1.28	1.28	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Unknown	Unknown	0	0	N
10/24/2018	12:53	N	00053	1.28	1.28	Personal Injury Crash	Angle	Motor Vehicle in Transport	Other environmental circumstances - weather, glare	Daylight	Clear	Dry	0	1	N

Report generated by TDTSCJM at 2021-02-19 14:18:19.335

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

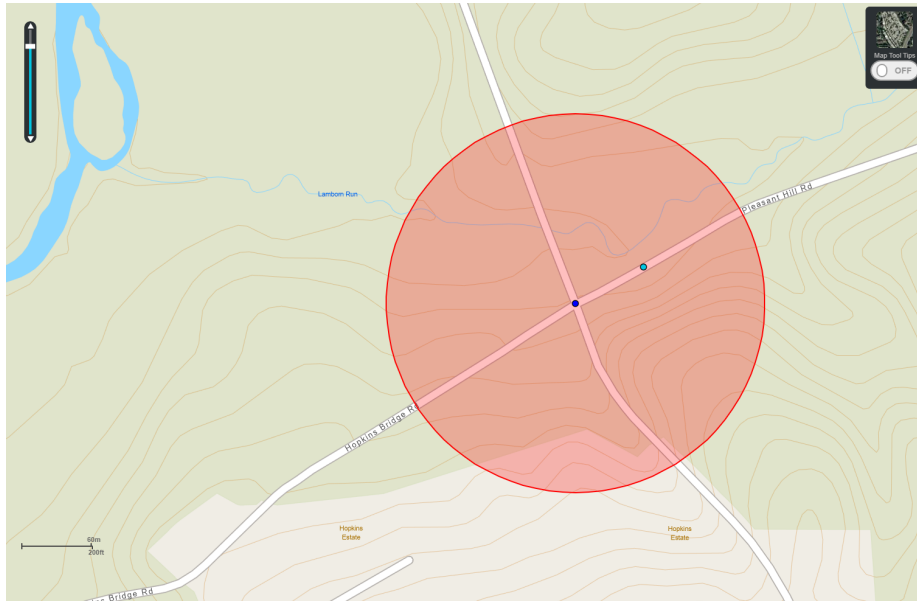
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2020 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 1  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	1	Non-Reportable	0	0.00%	Front to rear	0	0.00%
<b>Fatal Crashes</b>	0	Reportable	1	100.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	0	0.00%	Angle	0	0.00%
<b>Total Non Alcohol-Related Crashes</b>	1	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>1</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	1	100.00%
					<b>Total</b>	<b>1</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	0	0	0	<b>0</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	0	0.00%
Monday	0	0.00%
Tuesday	0	0.00%
Wednesday	1	100.00%
Thursday	0	0.00%
Friday	0	0.00%
Saturday	0	0.00%
<b>Total</b>	<b>1</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	0	0.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>0</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	0	0.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	1	100.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>1</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	0	0.00%
Wet	1	100.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	0	0.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	1	100.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	0	0.00%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	1	100.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	1	100.00%
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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>1</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	0	0.00%
Passed Stop Sign	0	0.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	100.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	0	0.00%
Failed to yield right of way	0	0.00%
Ran Red Light	0	0.00%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	0.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	1	100.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
11/11/2020	21:15	N	00301	0.04	0.04	Property Damage Only	Not a collision between two vehicles	Tree (standing)	Other environmental circumstances - weather, glare	Dark-Not Lighted	Rain	Wet	0	0	N

Report generated by TDTSCJM at 2021-02-19 14:21:14.306

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

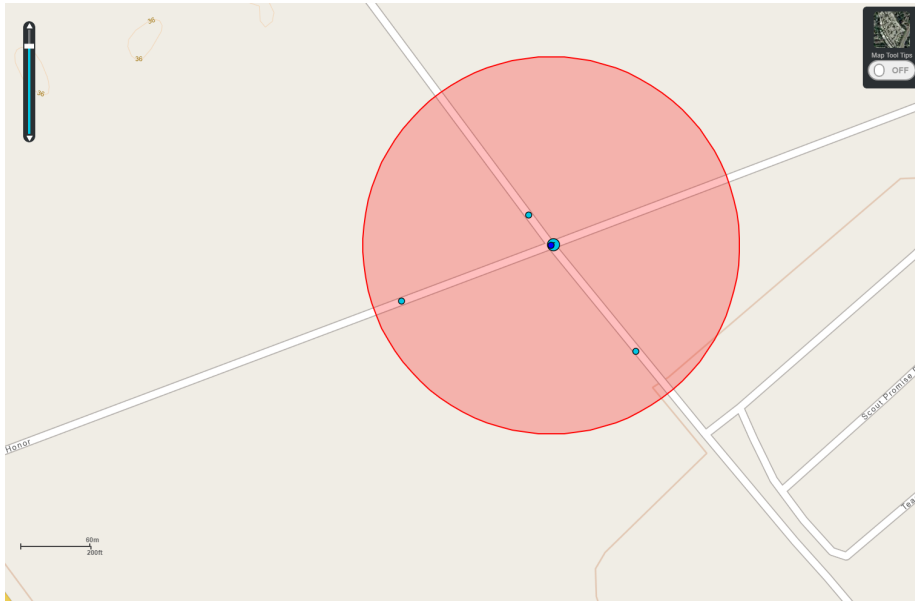
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2016 - 12/31/2018  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 10  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	10	Non-Reportable	0	0.00%	Front to rear	0	0.00%
<b>Fatal Crashes</b>	1	Reportable	5	50.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	2	Personal Injury	4	40.00%	Angle	7	70.00%
<b>Total Non Alcohol-Related Crashes</b>	8	Fatality	1	10.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	1	<b>Total</b>	<b>10</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	3	30.00%
					<b>Total</b>	<b>10</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	1	0	1	2
Non-Alcohol Related	0	4	4	0	8
<b>Total</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>10</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	0
Front to front	0	0	0	0	0
Angle	0	3	3	1	7
Sideswipe, same direction	0	0	0	0	0
Sideswipe, opposite direction	0	0	0	0	0
Rear to side	0	0	0	0	0
Rear to rear	0	0	0	0	0
Other	0	0	0	0	0
Unknown	0	0	0	0	0
Not a collision between two vehicles	0	2	1	0	3
<b>Total</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>10</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	0	0.00%
Monday	3	30.00%
Tuesday	0	0.00%
Wednesday	3	30.00%
Thursday	3	30.00%
Friday	1	10.00%
Saturday	0	0.00%
<b>Total</b>	<b>10</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	1	10.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	2	20.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>3</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	1	10.00%
13:00 - 13:59	1	10.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	1	10.00%
16:00 - 16:59	1	10.00%
17:00 - 17:59	1	10.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	1	10.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	1	10.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>7</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	9	90.00%
Wet	1	10.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>10</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	7	70.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	3	30.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>10</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	8	80.00%
Cloudy	2	20.00%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>10</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	10.00%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	8	80.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	1	10.00%
<b>Total</b>	<b>9</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	2	20.00%
Passed Stop Sign	4	40.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	1	10.00%
Driving in a careless or reckless manner	1	10.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	1	10.00%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	1	10.00%
<b>Total</b>	<b>10</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	8	47.06%
Failed to yield right of way	1	5.88%
Ran Red Light	0	0.00%
Ran Stop Sign	4	23.53%
Disregard other traffic sign	1	5.88%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	2	11.76%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	1	5.88%
<b>Total</b>	<b>17</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
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**2016**

03/16/2016	12:51	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	2	N
07/14/2016	17:50	S	00326	3.04	3.04	Fatality Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	1	2	Y
08/01/2016	16:51	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Cloudy	Dry	0	2	N
09/07/2016	15:14	S	00326	3.04	3.04	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N

**2017**

03/10/2017	08:06	S	00326	3.06	3.06	Property Damage Only	Not a collision between two vehicles	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N
09/18/2017	19:36	S	00086	0.27	0.27	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dark-Not Lighted	Clear	Dry	0	0	N
11/29/2017	08:06	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Wet	0	2	N

**2018**

03/29/2018	22:17	S	00086	0.35	0.35	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Not Lighted	Clear	Dry	0	0	Y
10/15/2018	02:40	S				Personal Injury Crash	Not a collision between two vehicles	Unknown	Unknown	Dark-Not Lighted	Clear - Clear	Dry	0	1	N
12/06/2018	13:23	S				Property Damage Only	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	0	N

**Report generated by TDTSCJM at 2021-02-19 13:13:48.779**

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

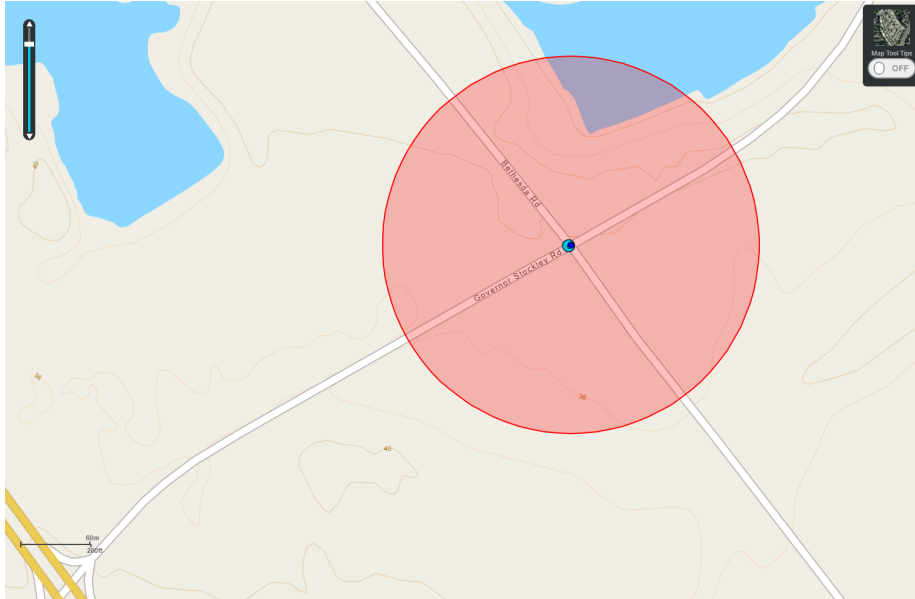
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2014 - 12/31/2016  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 6  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
Total Crashes	6	Non-Reportable	0	0.00%	Front to rear	1	16.67%
Fatal Crashes	0	Reportable	4	66.67%	Front to front	0	0.00%
Total Alcohol-Related Crashes	0	Personal Injury	2	33.33%	Angle	4	66.67%
Total Non Alcohol-Related Crashes	6	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
Total Fatalities	0	<b>Total</b>	<b>6</b>		Sideswipe, opposite direction	1	16.67%
Total Pedestrian Fatalities	0				Rear to side	0	0.00%
Total Pedestrian Injuries	0				Rear to rear	0	0.00%
Total Pedestrian Crashes	0				Other	0	0.00%
Total Motorcycle Crashes	0				Unknown	0	0.00%
Total Pedalcyclist Crashes	0					0	0.00%
					<b>Total</b>	<b>6</b>	

Alcohol Related Crashes By Classification					
	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	4	2	0	<b>6</b>
<b>Total</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>6</b>

Manner of Impact By Classification					
	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	1	0	0	<b>1</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	3	1	0	<b>4</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	1	0	<b>1</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	0	0	0	<b>0</b>
<b>Total</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>6</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	2	33.33%
Monday	2	33.33%
Tuesday	0	0.00%
Wednesday	0	0.00%
Thursday	1	16.67%
Friday	1	16.67%
Saturday	0	0.00%
<b>Total</b>	<b>6</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	0	0.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	1	16.67%
11:00 - 11:59	2	33.33%
<b>Total</b>	<b>3</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	1	16.67%
14:00 - 14:59	0	0.00%
15:00 - 15:59	0	0.00%
16:00 - 16:59	1	16.67%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	1	16.67%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>3</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	6	100.00%
Wet	0	0.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>6</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	6	100.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	0	0.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>6</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	6	100.00%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>6</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	6	100.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>6</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	3	50.00%
Passed Stop Sign	3	50.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>6</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	6	50.00%
Failed to yield right of way	5	41.67%
Ran Red Light	0	0.00%
Ran Stop Sign	1	8.33%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	0.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>12</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
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**2015**

10/08/2015	13:04	S				Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
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**2016**

04/11/2016	16:32	S	00326	4.47	4.47	Property Damage Only	Front to rear	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
06/13/2016	11:25	S	00326	4.47	4.47	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
07/08/2016	11:35	S	00326	4.47	4.47	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
07/17/2016	20:30	S				Personal Injury Crash	Sideswipe, opposite direction	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	N
12/25/2016	10:36	S	00432	5.82	5.82	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	1	N

**Report generated by TDTSCJM at 2021-02-19 13:21:46.074**

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

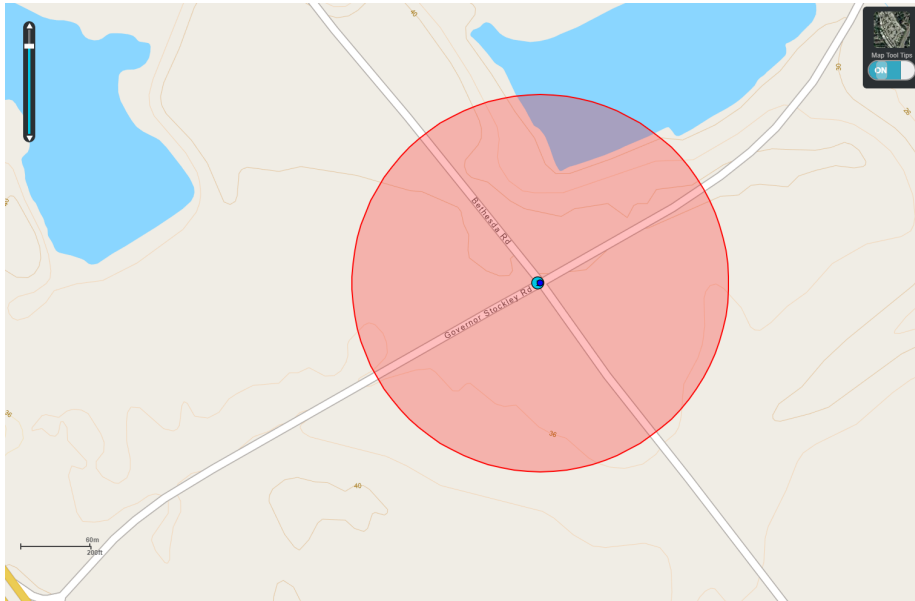
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2019 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 2  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	2				Front to rear	0	0.00%
<b>Fatal Crashes</b>	0	Non-Reportable	0	0.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Reportable	2	100.00%	Angle	1	50.00%
<b>Total Non Alcohol-Related Crashes</b>	2	Personal Injury	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	Fatality	0	0.00%	Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0	<b>Total</b>	<b>2</b>		Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	1	50.00%
					<b>Total</b>	<b>2</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	2	0	0	<b>2</b>
<b>Total</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	1	0	0	<b>1</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	50.00%
Monday	1	50.00%
Tuesday	0	0.00%
Wednesday	0	0.00%
Thursday	0	0.00%
Friday	0	0.00%
Saturday	0	0.00%
<b>Total</b>	<b>2</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	0	0.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	1	50.00%
<b>Total</b>	<b>1</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	0	0.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	1	50.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>1</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	1	50.00%
Wet	1	50.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>2</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	2	100.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	0	0.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>2</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	2	100.00%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>2</b>	

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First Harmful Event		
	# of Crashes	% of Total Crashes
Overturn/Rollover, Non-Collision	0	0.00%
Fire/Explosion, Non-Collision	1	50.00%
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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	50.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>2</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	0	0.00%
Passed Stop Sign	1	50.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
Mechanical defects	1	50.00%
Animal in Roadway - Deer	0	0.00%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>2</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	2	66.67%
Failed to yield right of way	0	0.00%
Ran Red Light	0	0.00%
Ran Stop Sign	1	33.33%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	0.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>3</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2019</b>															
03/31/2019	11:53	S	00432	5.82	5.82	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Wet	0	0	N
<b>2020</b>															
07/20/2020	17:58	S	00326	4.47	4.47	Property Damage Only	Not a collision between two vehicles	Fire/Explosion	Mechanical defects	Daylight	Clear	Dry	0	0	N

Report generated by TDTSCJM at 2021-02-19 13:24:45.083

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

**PC – Primary Contributing Circumstance**

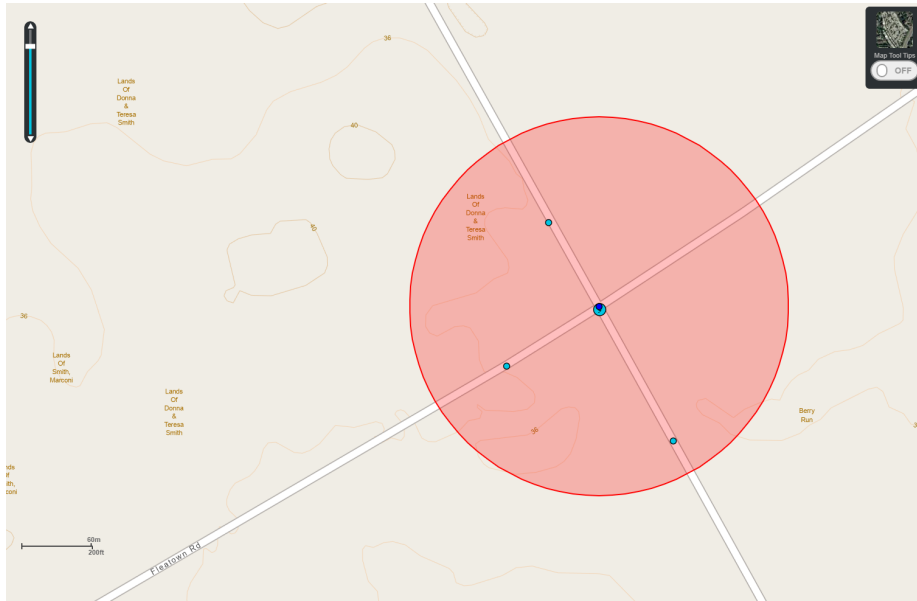
**Class – Report Classification**

**MOI – Manner of Impact**



# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2016 - 12/31/2018  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 12  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	12	Non-Reportable	0	0.00%	Front to rear	1	8.33%
<b>Fatal Crashes</b>	0	Reportable	8	66.67%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	4	33.33%	Angle	7	58.33%
<b>Total Non Alcohol-Related Crashes</b>	12	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>12</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	4	33.33%
					<b>Total</b>	<b>12</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	8	4	0	<b>12</b>
<b>Total</b>	<b>0</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>12</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	1	0	0	<b>1</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	3	4	0	<b>7</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	4	0	0	<b>4</b>
<b>Total</b>	<b>0</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>12</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	3	25.00%
Monday	4	33.33%
Tuesday	1	8.33%
Wednesday	1	8.33%
Thursday	2	16.67%
Friday	0	0.00%
Saturday	1	8.33%
<b>Total</b>	<b>12</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	2	16.67%
07:00 - 07:59	1	8.33%
08:00 - 08:59	0	0.00%
09:00 - 09:59	1	8.33%
10:00 - 10:59	1	8.33%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>5</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	1	8.33%
16:00 - 16:59	2	16.67%
17:00 - 17:59	1	8.33%
18:00 - 18:59	1	8.33%
19:00 - 19:59	1	8.33%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	1	8.33%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>7</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	9	75.00%
Wet	1	8.33%
Snow	1	8.33%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	1	8.33%
<b>Total</b>	<b>12</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	8	66.67%
Dawn	0	0.00%
Dusk	2	16.67%
Dark-Lighted	0	0.00%
Dark-Not Lighted	1	8.33%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	1	8.33%
<b>Total</b>	<b>12</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	8	66.67%
Cloudy	2	16.67%
Fog, Smog, Smoke	0	0.00%
Rain	1	8.33%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	1	8.33%
Blowing Snow	1	8.33%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>13</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	2	16.67%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	7	58.33%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	1	8.33%
Embankment, Collision With Fixed Object	0	0.00%

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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	1	8.33%
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	1	8.33%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>10</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	1	8.33%
Passed Stop Sign	4	33.33%
Disregard Traffic Signal	1	8.33%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	2	16.67%
Driving in a careless or reckless manner	1	8.33%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	2	16.67%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	1	8.33%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>12</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	11	55.00%
Failed to yield right of way	1	5.00%
Ran Red Light	0	0.00%
Ran Stop Sign	4	20.00%
Disregard other traffic sign	1	5.00%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	2	10.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	1	5.00%
Unknown	0	0.00%
<b>Total</b>	<b>20</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2016</b>															
02/15/2016	10:36	S	00224	8.47	8.47	Property Damage Only	Not a collision between two vehicles	Utility Pole	Other environmental circumstances - weather, glare	Daylight	Blowing Snow - Snow	Snow	0	0	N
08/22/2016	06:03	S				Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
08/22/2016	19:44	S	00038	2.23	2.23	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Dusk	Clear	Dry	0	2	N
09/11/2016	22:30	S	00038	2.17	2.17	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dark-Not Lighted	Clear	Dry	0	0	N

<b>2017</b>															
01/17/2017	16:02	S	00224	8.53	8.53	Property Damage Only	Angle	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Dusk	Rain	Wet	0	0	N
01/26/2017	16:20	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	2	N
04/12/2017	18:15	S	00038	2.23	2.23	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
08/19/2017	15:54	S	00038	2.23	2.23	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	0	N

<b>2018</b>															
03/04/2018	09:59	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Cloudy	Dry	0	4	N
03/22/2018	07:00	S				Property Damage Only	Not a collision between two vehicles	Ditch	Driving in a careless or reckless manner	Unknown	Cloudy	Unknown	0	0	N
08/05/2018	17:45	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	2	N
10/29/2018	06:57	S	00038	2.31	2.31	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Daylight	Clear	Dry	0	0	N

Report generated by TDTSCJM at 2021-02-19 14:48:46.066

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – 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:** 01/01/2015 - 12/31/2017  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 33  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	33	Non-Reportable	0	0.00%	Front to rear	12	36.36%
<b>Fatal Crashes</b>	0	Reportable	25	75.76%	Front to front	3	9.09%
<b>Total Alcohol-Related Crashes</b>	2	Personal Injury	8	24.24%	Angle	4	12.12%
<b>Total Non Alcohol-Related Crashes</b>	31	Fatality	0	0.00%	Sideswipe, same direction	1	3.03%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>33</b>		Sideswipe, opposite direction	1	3.03%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	12	36.36%
					<b>Total</b>	<b>33</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	1	1	0	<b>2</b>
Non-Alcohol Related	0	24	7	0	<b>31</b>
<b>Total</b>	<b>0</b>	<b>25</b>	<b>8</b>	<b>0</b>	<b>33</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	10	2	0	<b>12</b>
Front to front	0	1	2	0	<b>3</b>
Angle	0	1	3	0	<b>4</b>
Sideswipe, same direction	0	1	0	0	<b>1</b>
Sideswipe, opposite direction	0	1	0	0	<b>1</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	11	1	0	<b>12</b>
<b>Total</b>	<b>0</b>	<b>25</b>	<b>8</b>	<b>0</b>	<b>33</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	4	12.12%
Monday	1	3.03%
Tuesday	6	18.18%
Wednesday	6	18.18%
Thursday	5	15.15%
Friday	4	12.12%
Saturday	7	21.21%
<b>Total</b>	<b>33</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	3	9.09%
02:00 - 02:59	0	0.00%
03:00 - 03:59	1	3.03%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	1	3.03%
07:00 - 07:59	0	0.00%
08:00 - 08:59	2	6.06%
09:00 - 09:59	2	6.06%
10:00 - 10:59	1	3.03%
11:00 - 11:59	1	3.03%
<b>Total</b>	<b>11</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	1	3.03%
13:00 - 13:59	2	6.06%
14:00 - 14:59	4	12.12%
15:00 - 15:59	1	3.03%
16:00 - 16:59	2	6.06%
17:00 - 17:59	3	9.09%
18:00 - 18:59	3	9.09%
19:00 - 19:59	1	3.03%
20:00 - 20:59	1	3.03%
21:00 - 21:59	1	3.03%
22:00 - 22:59	2	6.06%
23:00 - 23:59	1	3.03%
<b>Total</b>	<b>22</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	22	66.67%
Wet	11	33.33%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>33</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	20	60.61%
Dawn	0	0.00%
Dusk	1	3.03%
Dark-Lighted	5	15.15%
Dark-Not Lighted	6	18.18%
Dark-Unknown Lighting	1	3.03%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>33</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	21	63.64%
Cloudy	5	15.15%
Fog, Smog, Smoke	1	3.03%
Rain	6	18.18%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>33</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	3.03%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	21	63.64%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	3.03%
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	0	0.00%
Ditch, Collision With Fixed Object	6	18.18%
Embankment, Collision With Fixed Object	1	3.03%

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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	1	3.03%
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	1	3.03%
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	0	0.00%
Unknown, Collision With Fixed Object	1	3.03%
<b>Total</b>	<b>32</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	4	12.12%
Passed Stop Sign	2	6.06%
Disregard Traffic Signal	1	3.03%
Wrong side or wrong way	0	0.00%
Improper passing	1	3.03%
Improper lane change	0	0.00%
Following too close	2	6.06%
Made improper turn	0	0.00%
Driving under the influence	2	6.06%
Driver inattention, distraction, or fatigue	5	15.15%
Driving in a careless or reckless manner	7	21.21%
Driving in an aggressive manner	0	0.00%
Improper backing	1	3.03%
Other improper driving	0	0.00%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	1	3.03%
Animal in Roadway - Other Animal	1	3.03%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	2	6.06%
Unknown	4	12.12%
<b>Total</b>	<b>33</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	20	39.22%
Failed to yield right of way	3	5.88%
Ran Red Light	0	0.00%
Ran Stop Sign	4	7.84%
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	2	3.92%
Made an improper turn	1	1.96%
Improper backing	1	1.96%
Wrong side or wrong way	0	0.00%
Followed too closely	2	3.92%
Failure to keep in proper lane	1	1.96%
Ran off roadway	1	1.96%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	9	17.65%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	1	1.96%
Over-correcting/over-steering	1	1.96%
Improper Passing	1	1.96%
Other Contributing Action	1	1.96%
Unknown	3	5.88%
<b>Total</b>	<b>51</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
01/24/2015	18:58	S	00046	2.89	2.89	Property Damage Only	Not a collision between two vehicles	Ditch	Driving in a careless or reckless manner	Dark-Unknown Lighting	Clear	Dry	0	0	N
02/10/2015	01:03	S	00046	2.88	2.88	Property Damage Only	Not a collision between two vehicles	Ditch	Driving in a careless or reckless manner	Dark-Not Lighted	Rain	Wet	0	0	N
03/06/2015	14:20	S	00535	2.9	2.90	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N
03/11/2015	06:55	S	00046	2.87	2.87	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Not Lighted	Fog, Smog, Smoke	Dry	0	0	N
05/06/2015	16:01	S	00535	2.86	2.86	Property Damage Only	Not a collision between two vehicles	Traffic Sign Support	Unknown	Daylight	Clear	Dry	0	0	N
05/30/2015	10:43	S	00535	2.81	2.81	Property Damage Only	Sideswipe, same direction	Motor Vehicle in Transport	Improper passing	Daylight	Clear	Dry	0	0	N
06/02/2015	15:01	S	00046	2.87	2.87	Personal Injury Crash	Front to front	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy	Dry	0	1	N
06/17/2015	12:40	S	00046	2.91	2.91	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
07/16/2015	08:00	S				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
08/19/2015	18:13	S	00535	2.9	2.90	Personal Injury Crash	Front to front	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	3	N
08/19/2015	18:18	S	00535	2.88	2.88	Property Damage Only	Front to rear	Motor Vehicle in Transport	Improper backing	Daylight	Clear	Dry	0	0	N
09/12/2015	22:22	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Dark-Lighted	Rain	Wet	0	3	N
09/13/2015	03:25	S	00046	2.91	2.91	Property Damage Only	Not a collision between two vehicles	Other Post, Pole or Support	Animal in Roadway - Other Animal	Dark-Not Lighted	Clear	Wet	0	0	N
10/01/2015	16:49	S	00535	2.86	2.86	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Rain	Wet	0	0	N

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
12/10/2015	14:04	S	00535	2.9	2.90	Property Damage Only	Front to front	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N

**2015**

01/02/2016	19:32	S				Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driving under the influence	Dark-Lighted	Clear	Dry	0	2	Y
05/11/2016	17:13	S	00535	2.83	2.83	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Rain	Wet	0	1	N
06/21/2016	13:13	S	00535	2.8	2.80	Property Damage Only	Front to rear	Motor Vehicle in Transport	Other	Daylight	Clear	Dry	0	0	N
06/24/2016	20:53	S	00046	2.95	2.95	Property Damage Only	Not a collision between two vehicles	Bridge Overhead Structure	Driver inattention, distraction, or fatigue	Dusk	Cloudy	Wet	0	0	N
07/01/2016	17:45	S	00535	2.81	2.81	Property Damage Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy	Dry	0	0	N
07/03/2016	09:50	S	00535	2.81	2.81	Property Damage Only	Front to rear	Unknown	Unknown	Daylight	Clear	Dry	0	0	N
10/22/2016	01:40	S	00046	2.88	2.88	Property Damage Only	Not a collision between two vehicles	Ditch	Driving in a careless or reckless manner	Dark-Lighted	Rain	Wet	0	0	N
11/10/2016	08:18	S	00046	2.87	2.87	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	1	N
11/19/2016	17:08	S	00535	2.89	2.89	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
12/20/2016	13:54	S	00535	2.85	2.85	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
12/23/2016	14:55	S	00535	2.86	2.86	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N

**2017**

04/11/2017	14:05	S				Property Damage Only	Angle	Motor Vehicle in Transport	Other	Daylight	Clear	Dry	0	0	N
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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
05/11/2017	11:59	S	00046	2.93	2.93	Property Damage Only	Not a collision between two vehicles	Ditch	Driving in a careless or reckless manner	Daylight	Rain	Wet	0	0	N
05/13/2017	22:21	S				Property Damage Only	Not a collision between two vehicles	Embankment	Driving under the influence	Dark-Not Lighted	Cloudy	Wet	0	0	Y
08/15/2017	21:43	S	00046	2.87	2.87	Personal Injury Crash	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Dark-Lighted	Clear	Wet	0	1	N
08/20/2017	01:40	S	00046	2.88	2.88	Property Damage Only	Not a collision between two vehicles	Ditch	Driver inattention, distraction, or fatigue	Dark-Not Lighted	Clear	Dry	0	0	N
10/02/2017	23:47	S	00046	2.86	2.86	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dark-Lighted	Clear	Dry	0	0	N
10/08/2017	09:49	S	00046	2.88	2.88	Property Damage Only	Not a collision between two vehicles	Ditch	Driving in a careless or reckless manner	Daylight	Cloudy	Wet	0	0	N

Report generated by TDTSCJM at 2021-02-19 14:11:15.365

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

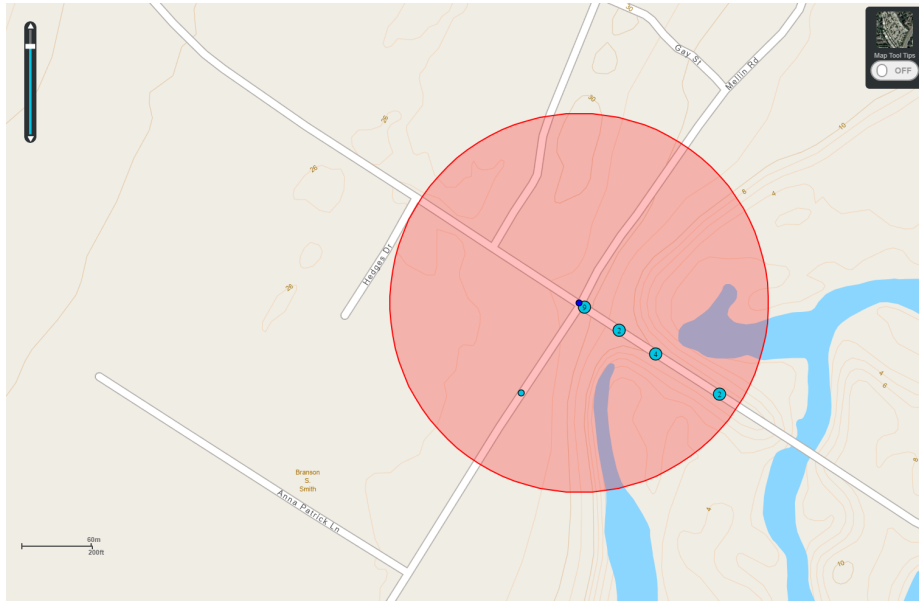
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2019 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 18  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	18	Non-Reportable	0	0.00%	Front to rear	7	38.89%
<b>Fatal Crashes</b>	0	Reportable	12	66.67%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	3	Personal Injury	6	33.33%	Angle	4	22.22%
<b>Total Non Alcohol-Related Crashes</b>	15	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>18</b>		Sideswipe, opposite direction	2	11.11%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	5	27.78%
					<b>Total</b>	<b>18</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	2	1	0	3
Non-Alcohol Related	0	10	5	0	15
<b>Total</b>	<b>0</b>	<b>12</b>	<b>6</b>	<b>0</b>	<b>18</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	5	2	0	7
Front to front	0	0	0	0	0
Angle	0	3	1	0	4
Sideswipe, same direction	0	0	0	0	0
Sideswipe, opposite direction	0	2	0	0	2
Rear to side	0	0	0	0	0
Rear to rear	0	0	0	0	0
Other	0	0	0	0	0
Unknown	0	0	0	0	0
Not a collision between two vehicles	0	2	3	0	5
<b>Total</b>	<b>0</b>	<b>12</b>	<b>6</b>	<b>0</b>	<b>18</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	5	27.78%
Monday	1	5.56%
Tuesday	3	16.67%
Wednesday	6	33.33%
Thursday	2	11.11%
Friday	1	5.56%
Saturday	0	0.00%
<b>Total</b>	<b>18</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	2	11.11%
01:00 - 01:59	3	16.67%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	1	5.56%
05:00 - 05:59	1	5.56%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	0	0.00%
09:00 - 09:59	2	11.11%
10:00 - 10:59	0	0.00%
11:00 - 11:59	1	5.56%
<b>Total</b>	<b>10</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	2	11.11%
15:00 - 15:59	1	5.56%
16:00 - 16:59	1	5.56%
17:00 - 17:59	1	5.56%
18:00 - 18:59	1	5.56%
19:00 - 19:59	1	5.56%
20:00 - 20:59	1	5.56%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>8</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	13	72.22%
Wet	5	27.78%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>18</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	9	50.00%
Dawn	0	0.00%
Dusk	1	5.56%
Dark-Lighted	2	11.11%
Dark-Not Lighted	6	33.33%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>18</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	11	61.11%
Cloudy	4	22.22%
Fog, Smog, Smoke	0	0.00%
Rain	2	11.11%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	2	11.11%
Unknown	0	0.00%
<b>Total</b>	<b>19</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	12	66.67%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	2	11.11%

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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	1	5.56%
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	1	5.56%
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	2	11.11%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>18</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	0	0.00%
Passed Stop Sign	1	5.56%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	2	11.11%
Made improper turn	0	0.00%
Driving under the influence	2	11.11%
Driver inattention, distraction, or fatigue	4	22.22%
Driving in a careless or reckless manner	4	22.22%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	2	11.11%
Unknown	3	16.67%
<b>Total</b>	<b>18</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	15	45.45%
Failed to yield right of way	0	0.00%
Ran Red Light	0	0.00%
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	1	3.03%
Made an improper turn	0	0.00%
Improper backing	1	3.03%
Wrong side or wrong way	0	0.00%
Followed too closely	2	6.06%
Failure to keep in proper lane	2	6.06%
Ran off roadway	1	3.03%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	9	27.27%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	1	3.03%
Unknown	1	3.03%
<b>Total</b>	<b>33</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
03/15/2019	15:27	S	00535	2.84	2.84	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
04/14/2019	01:34	S	00046	2.87	2.87	Property Damage Only	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Not Lighted	Clear	Dry	0	0	N
05/08/2019	04:08	S	00046	2.88	2.88	Property Damage Only	Front to rear	Stopped Motor Vehicle	Following too close	Dark-Not Lighted	Cloudy	Wet	0	0	N
05/26/2019	01:03	S				Personal Injury Crash	Not a collision between two vehicles	Motor Vehicle in Transport	Driving in a careless or reckless manner	Dark-Not Lighted	Clear	Dry	0	2	N
06/02/2019	20:04	S	00046	2.88	2.88	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving under the influence	Dusk	Other - Rain	Dry	0	0	N
11/05/2019	09:11	S	00046	2.9	2.90	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Cloudy	Wet	0	0	N
11/17/2019	00:20	S	00535	2.9	2.90	Property Damage Only	Not a collision between two vehicles	Embankment	Unknown	Dark-Lighted	Other	Wet	0	0	Y
11/20/2019	14:31	S	00046	2.91	2.91	Property Damage Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Other	Daylight	Clear	Dry	0	0	N
11/26/2019	09:57	S	00046	2.97	2.97	Property Damage Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Other	Daylight	Clear	Dry	0	0	N
12/03/2019	11:53	S	00046	2.92	2.92	Property Damage Only	Front to rear	Stopped Motor Vehicle	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N

**2020**

02/05/2020	05:13	S	00046	2.88	2.88	Property Damage Only	Angle	Motor Vehicle in Transport	Driving under the influence	Dark-Not Lighted	Rain	Wet	0	0	Y
02/12/2020	16:02	S	00046	2.89	2.89	Personal Injury Crash	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	2	N
02/27/2020	17:55	S	00046	2.96	2.96	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	1	N

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
07/06/2020	19:06	S				Property Damage Only	Not a collision between two vehicles	Embankment	Unknown	Daylight	Cloudy	Dry	0	0	N
07/15/2020	00:38	S				Personal Injury Crash	Not a collision between two vehicles	Traffic Sign Support	Driver inattention, distraction, or fatigue	Dark-Lighted	Clear	Dry	0	1	N
08/23/2020	01:33	S				Personal Injury Crash	Not a collision between two vehicles	Tree (standing)	Passed Stop Sign	Dark-Not Lighted	Clear	Dry	0	2	Y
10/14/2020	14:34	S	00046	2.93	2.93	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
12/24/2020	18:35	S	00046	2.88	2.88	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Unknown	Dark-Not Lighted	Cloudy	Wet	0	1	N

Report generated by TDTSCJM at 2021-02-19 14:14:16.564

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

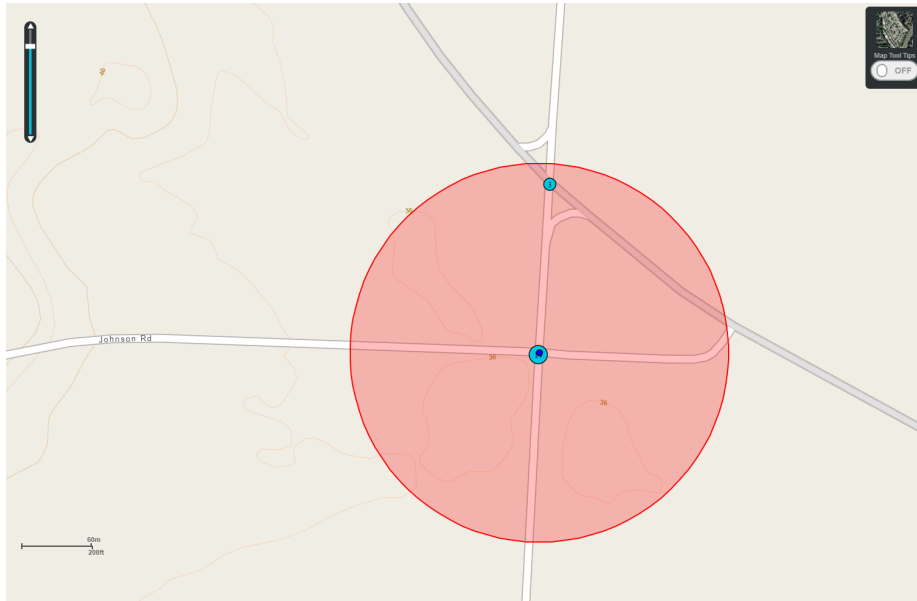
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2015 - 12/31/2017  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 17  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	17				Front to rear	1	5.88%
<b>Fatal Crashes</b>	0	Non-Reportable	0	0.00%	Front to front	2	11.76%
<b>Total Alcohol-Related Crashes</b>	0	Reportable	11	64.71%	Angle	13	76.47%
<b>Total Non Alcohol-Related Crashes</b>	17	Personal Injury	6	35.29%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	Fatality	0	0.00%	Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0	<b>Total</b>	<b>17</b>		Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	1	5.88%
<b>Total Motorcycle Crashes</b>	1				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0					0	0.00%
					<b>Total</b>	<b>17</b>	

Alcohol Related Crashes By Classification					
	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	11	6	0	<b>17</b>
<b>Total</b>	<b>0</b>	<b>11</b>	<b>6</b>	<b>0</b>	<b>17</b>

Manner of Impact By Classification					
	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	1	0	0	<b>1</b>
Front to front	0	2	0	0	<b>2</b>
Angle	0	7	6	0	<b>13</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	1	0	0	<b>1</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	0	0	0	<b>0</b>
<b>Total</b>	<b>0</b>	<b>11</b>	<b>6</b>	<b>0</b>	<b>17</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	0	0.00%
Monday	5	29.41%
Tuesday	3	17.65%
Wednesday	2	11.76%
Thursday	6	35.29%
Friday	0	0.00%
Saturday	1	5.88%
<b>Total</b>	<b>17</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	4	23.53%
08:00 - 08:59	2	11.76%
09:00 - 09:59	1	5.88%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>7</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	2	11.76%
13:00 - 13:59	0	0.00%
14:00 - 14:59	1	5.88%
15:00 - 15:59	0	0.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	3	17.65%
18:00 - 18:59	2	11.76%
19:00 - 19:59	1	5.88%
20:00 - 20:59	1	5.88%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>10</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	16	94.12%
Wet	1	5.88%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>17</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	14	82.35%
Dawn	0	0.00%
Dusk	1	5.88%
Dark-Lighted	0	0.00%
Dark-Not Lighted	2	11.76%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>17</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	16	94.12%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	1	5.88%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>17</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	17	100.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>17</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	6	35.29%
Passed Stop Sign	3	17.65%
Disregard Traffic Signal	3	17.65%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	1	5.88%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	4	23.53%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>17</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	17	50.00%
Failed to yield right of way	6	17.65%
Ran Red Light	0	0.00%
Ran Stop Sign	5	14.71%
Disregard other traffic sign	3	8.82%
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	1	2.94%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	2	5.88%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>34</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2015</b>															
02/24/2015	12:14	S	00047	5.73	5.73	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	1	N
05/07/2015	19:00	S				Property Damage Only	Front to front	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
06/18/2015	17:05	S	00047	5.73	5.73	Property Damage Only	Front to front	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
06/25/2015	17:22	S				Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
12/21/2015	17:00	S	00047	5.73	5.73	Property Damage Only	Other	Motor Vehicle in Transport	Passed Stop Sign	Dusk	Clear	Dry	0	0	N
05/06/2015	07:17	S	00022	9.71	9.71	Personal Injury Crash	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	1	N

<b>2016</b>															
06/20/2016	07:37	S	00047	5.73	5.73	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
11/03/2016	20:59	S				Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Not Lighted	Clear	Dry	0	0	N
06/11/2016	07:28	S	00022	9.71	9.71	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	0	N

<b>2017</b>															
02/13/2017	12:54	S	00047	5.73	5.73	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
03/20/2017	08:06	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	1	N
05/30/2017	08:28	S	00290	0.5	0.50	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Rain	Wet	0	2	N
07/13/2017	09:52	S	00290	0.5	0.50	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	0	N
07/18/2017	18:42	S	00290	0.5	0.50	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2017</b>															
11/06/2017	18:37	S	00047	5.73	5.73	Personal Injury Crash	Angle	Motor Vehicle in Transport	Made improper turn	Dark-Not Lighted	Clear	Dry	0	1	N
11/29/2017	14:53	S	00047	5.73	5.73	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
04/27/2017	07:25	S	00022	9.71	9.71	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	2	N

Report generated by TDTSCJM at 2021-02-19 14:54:38.761

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

**PC – Primary Contributing Circumstance**

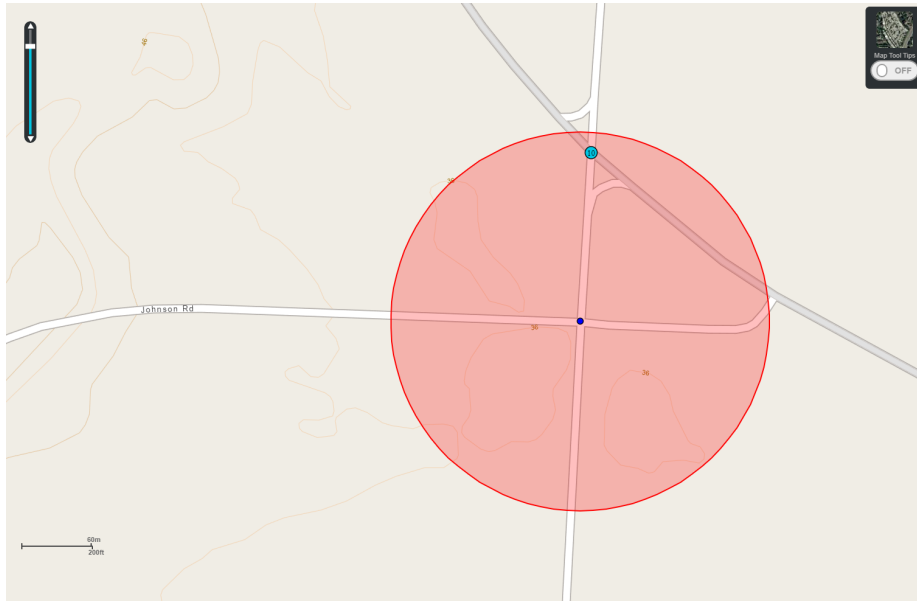
**Class – Report Classification**

**MOI – Manner of Impact**



# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2019 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 10  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	10	Non-Reportable	0	0.00%	Front to rear	1	10.00%
<b>Fatal Crashes</b>	1	Reportable	8	80.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	2	20.00%	Angle	9	90.00%
<b>Total Non Alcohol-Related Crashes</b>	10	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	1	<b>Total</b>	<b>10</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0					0	0.00%
					<b>Total</b>	<b>10</b>	

Alcohol Related Crashes By Classification					
	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	8	2	0	<b>10</b>
<b>Total</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>10</b>

Manner of Impact By Classification					
	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	1	0	0	<b>1</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	7	2	0	<b>9</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	0	0	0	<b>0</b>
<b>Total</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>10</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	0	0.00%
Monday	1	10.00%
Tuesday	2	20.00%
Wednesday	1	10.00%
Thursday	2	20.00%
Friday	3	30.00%
Saturday	1	10.00%
<b>Total</b>	<b>10</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	1	10.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	1	10.00%
11:00 - 11:59	2	20.00%
<b>Total</b>	<b>4</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	1	10.00%
14:00 - 14:59	2	20.00%
15:00 - 15:59	1	10.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	2	20.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>6</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	10	100.00%
Wet	0	0.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>10</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	10	100.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	0	0.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>10</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	9	90.00%
Cloudy	1	10.00%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>10</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	10	100.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>10</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	4	40.00%
Passed Stop Sign	4	40.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	1	10.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	1	10.00%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>10</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	10	47.62%
Failed to yield right of way	4	19.05%
Ran Red Light	0	0.00%
Ran Stop Sign	4	19.05%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	1	4.76%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	1	4.76%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	1	4.76%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>21</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
03/09/2019	14:10	S	00022	9.71	9.71	Property Damage Only	Angle	Motor Vehicle in Transport	Improper passing	Daylight	Cloudy	Dry	0	0	N
03/26/2019	13:34	S	00022	9.71	9.71	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
05/14/2019	11:38	S	00022	9.71	9.71	Personal Injury Crash	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	1	3	N
05/31/2019	18:49	S	00290	0.59	0.59	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N

**2020**

06/18/2020	08:37	S	00022	9.71	9.71	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
08/12/2020	14:02	S	00022	9.71	9.71	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
10/22/2020	11:20	S	00022	9.71	9.71	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
02/28/2020	15:13	S	00022	9.71	9.71	Property Damage Only	Front to rear	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
06/26/2020	18:30	S	00290	0.59	0.59	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
08/03/2020	10:51	S	00290	0.59	0.59	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	4	N

**Report generated by TDTSCJM at 2021-02-19 14:57:08.413**

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

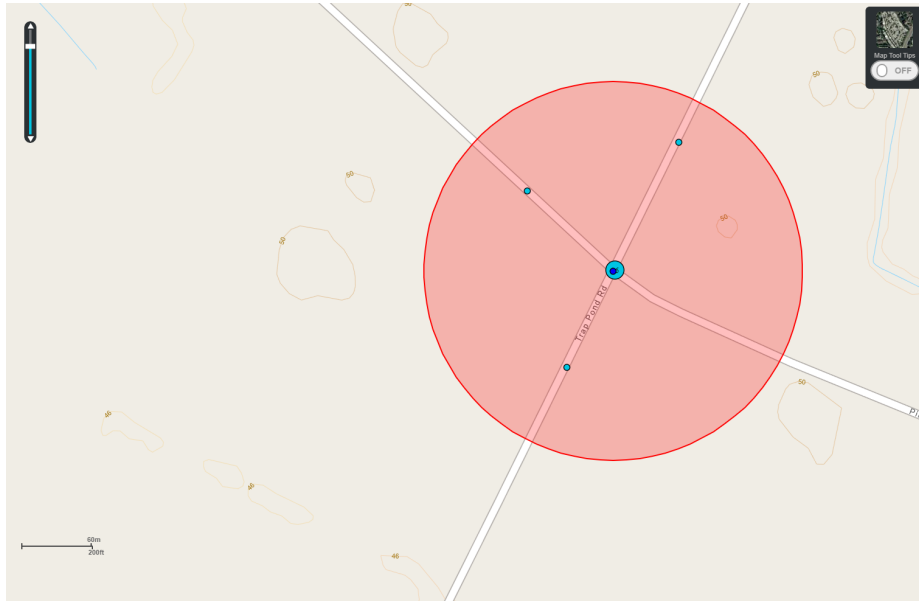
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2014 - 12/31/2016  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 19  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	19	Non-Reportable	0	0.00%	Front to rear	1	5.26%
<b>Fatal Crashes</b>	0	Reportable	10	52.63%	Front to front	1	5.26%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	9	47.37%	Angle	13	68.42%
<b>Total Non Alcohol-Related Crashes</b>	19	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>19</b>		Sideswipe, opposite direction	1	5.26%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	2	10.53%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	1	5.26%
					<b>Total</b>	<b>19</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	10	9	0	<b>19</b>
<b>Total</b>	<b>0</b>	<b>10</b>	<b>9</b>	<b>0</b>	<b>19</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	1	0	0	<b>1</b>
Front to front	0	1	0	0	<b>1</b>
Angle	0	5	8	0	<b>13</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	1	0	0	<b>1</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	1	1	0	<b>2</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>10</b>	<b>9</b>	<b>0</b>	<b>19</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	5.26%
Monday	3	15.79%
Tuesday	5	26.32%
Wednesday	6	31.58%
Thursday	3	15.79%
Friday	0	0.00%
Saturday	1	5.26%
<b>Total</b>	<b>19</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	1	5.26%
06:00 - 06:59	0	0.00%
07:00 - 07:59	1	5.26%
08:00 - 08:59	3	15.79%
09:00 - 09:59	2	10.53%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>7</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	2	10.53%
14:00 - 14:59	1	5.26%
15:00 - 15:59	7	36.84%
16:00 - 16:59	2	10.53%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>12</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	18	94.74%
Wet	1	5.26%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>19</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	17	89.47%
Dawn	1	5.26%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	1	5.26%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>19</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	11	57.89%
Cloudy	7	36.84%
Fog, Smog, Smoke	0	0.00%
Rain	1	5.26%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>19</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	17	89.47%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	1	5.26%
Embankment, Collision With Fixed Object	0	0.00%

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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	1	5.26%
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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>19</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	5	26.32%
Passed Stop Sign	8	42.11%
Disregard Traffic Signal	2	10.53%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	1	5.26%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	1	5.26%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	1	5.26%
Unknown	1	5.26%
<b>Total</b>	<b>19</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	19	51.35%
Failed to yield right of way	5	13.51%
Ran Red Light	0	0.00%
Ran Stop Sign	10	27.03%
Disregard other traffic sign	1	2.70%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	1	2.70%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	0.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	1	2.70%
<b>Total</b>	<b>37</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2014</b>															
05/20/2014	13:29	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	3	N
09/29/2014	09:40	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Cloudy	Dry	0	2	N
10/01/2014	15:53	S	00329	0.96	0.96	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
11/05/2014	08:13	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	2	N
12/03/2014	08:35	S				Property Damage Only	Front to front	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N

<b>2015</b>															
01/13/2015	16:59	S	00062	14.86	14.86	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Dark-Not Lighted	Cloudy	Dry	0	1	N
03/12/2015	07:35	S	00062	14.8	14.80	Personal Injury Crash	Other	Ditch	Other	Daylight	Clear	Dry	0	1	N
05/14/2015	13:44	S	00329	0.9	0.90	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
06/03/2015	16:54	S	00329	0.96	0.96	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Rain	Wet	0	2	N
12/08/2015	08:32	S				Property Damage Only	Other	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
12/10/2015	15:27	S	00062	14.86	14.86	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	N
12/26/2015	09:35	S	00062	14.86	14.86	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy	Dry	0	0	N

<b>2016</b>															
02/01/2016	15:31	S	00062	14.86	14.86	Property Damage Only	Sideswipe, opposite direction	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy	Dry	0	0	N
04/17/2016	15:37	S	00329	0.96	0.96	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
06/08/2016	05:53	S	00062	14.86	14.86	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Dawn	Clear	Dry	0	0	N

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2016</b>															
06/14/2016	14:38	S	00329	0.96	0.96	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	1	N
08/29/2016	15:26	S	00062	14.94	14.94	Property Damage Only	Not a collision between two vehicles	Other Post, Pole or Support	Unknown	Daylight	Clear	Dry	0	0	N
09/21/2016	15:48	S	00062	14.86	14.86	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Cloudy	Dry	0	0	N
11/15/2016	15:06	S	00329	0.96	0.96	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Cloudy	Dry	0	1	N

Report generated by TDTSCJM at 2021-02-19 13:48:40.205

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

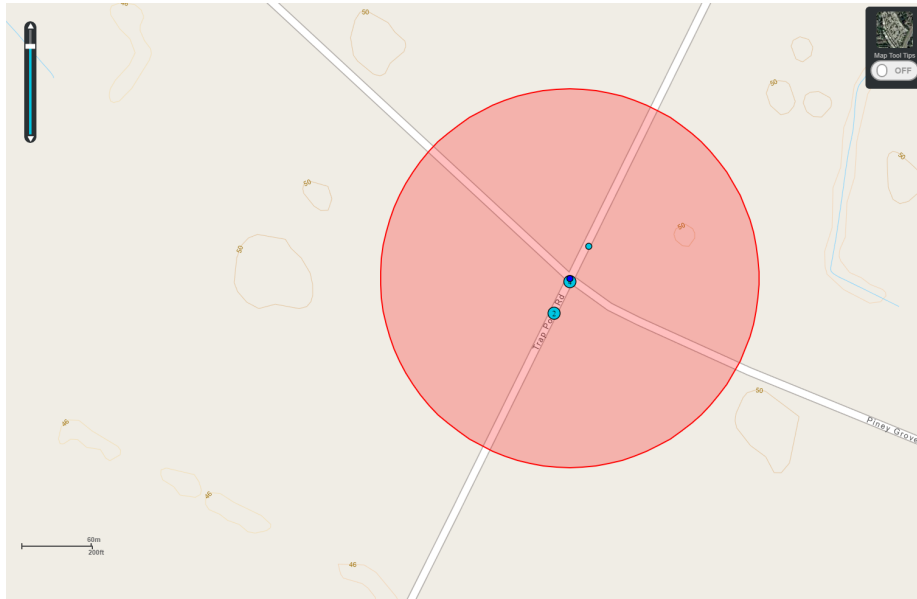
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2018 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 7  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	7				Front to rear	0	0.00%
<b>Fatal Crashes</b>	0	Non-Reportable	0	0.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Reportable	7	100.00%	Angle	3	42.86%
<b>Total Non Alcohol-Related Crashes</b>	7	Personal Injury	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	Fatality	0	0.00%	Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0	<b>Total</b>	<b>7</b>		Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	4	57.14%
					<b>Total</b>	<b>7</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	7	0	0	<b>7</b>
<b>Total</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>7</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	3	0	0	<b>3</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	4	0	0	<b>4</b>
<b>Total</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>7</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	0	0.00%
Monday	1	14.29%
Tuesday	0	0.00%
Wednesday	1	14.29%
Thursday	2	28.57%
Friday	0	0.00%
Saturday	3	42.86%
<b>Total</b>	<b>7</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	1	14.29%
06:00 - 06:59	0	0.00%
07:00 - 07:59	2	28.57%
08:00 - 08:59	0	0.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	1	14.29%
<b>Total</b>	<b>4</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	0	0.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	1	14.29%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	2	28.57%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>3</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	6	85.71%
Wet	1	14.29%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>7</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	3	42.86%
Dawn	1	14.29%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	3	42.86%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>7</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	6	85.71%
Cloudy	1	14.29%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>7</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	3	42.86%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	3	42.86%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	1	14.29%
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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>4</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	1	14.29%
Passed Stop Sign	2	28.57%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	1	14.29%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	3	42.86%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>7</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	5	50.00%
Failed to yield right of way	1	10.00%
Ran Red Light	0	0.00%
Ran Stop Sign	3	30.00%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	1	10.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	0.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>10</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2018</b>															
03/03/2018	20:55	S	00062	14.88	14.88	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dark-Not Lighted	Clear	Dry	0	0	N
07/07/2018	05:46	S	00062	14.84	14.84	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dawn	Clear	Dry	0	0	N
11/22/2018	11:16	S	00062	14.86	14.86	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
<b>2019</b>															
02/27/2019	07:47	S	00062	14.86	14.86	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
06/08/2019	07:43	S				Property Damage Only	Not a collision between two vehicles	Other Post, Pole or Support	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
12/05/2019	17:21	S	00062	14.86	14.86	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Dark-Not Lighted	Clear	Dry	0	0	N
<b>2020</b>															
08/03/2020	20:56	S	00062	14.84	14.84	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dark-Not Lighted	Cloudy	Wet	0	0	N

Report generated by TDTSCJM at 2021-02-19 13:52:15.546

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

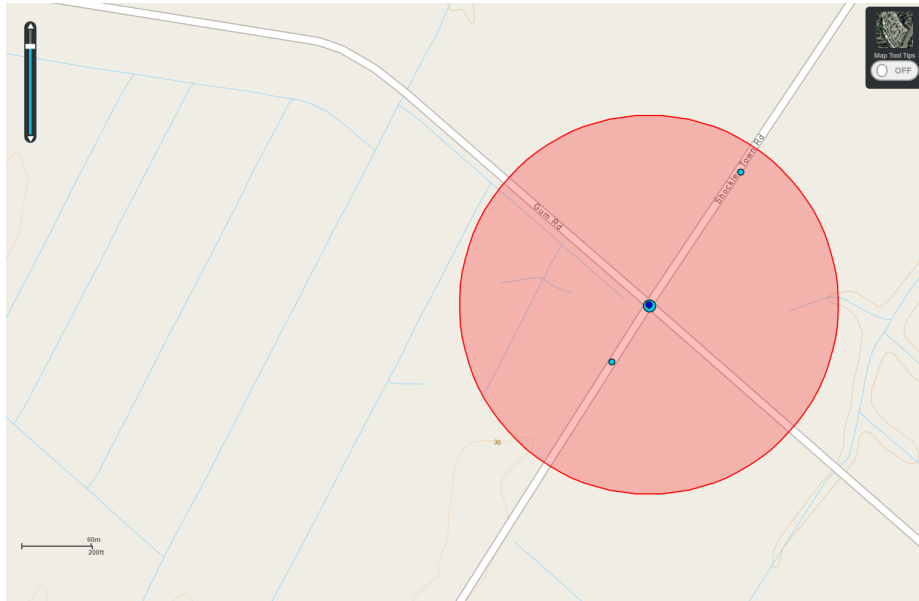
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2016 - 12/31/2018  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 11  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	11	Non-Reportable	0	0.00%	Front to rear	2	18.18%
<b>Fatal Crashes</b>	0	Reportable	8	72.73%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	3	27.27%	Angle	7	63.64%
<b>Total Non Alcohol-Related Crashes</b>	11	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>11</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	2	18.18%
					<b>Total</b>	<b>11</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	8	3	0	<b>11</b>
<b>Total</b>	<b>0</b>	<b>8</b>	<b>3</b>	<b>0</b>	<b>11</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	2	0	0	<b>2</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	4	3	0	<b>7</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	2	0	0	<b>2</b>
<b>Total</b>	<b>0</b>	<b>8</b>	<b>3</b>	<b>0</b>	<b>11</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	9.09%
Monday	1	9.09%
Tuesday	1	9.09%
Wednesday	0	0.00%
Thursday	1	9.09%
Friday	4	36.36%
Saturday	3	27.27%
<b>Total</b>	<b>11</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	2	18.18%
09:00 - 09:59	1	9.09%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>3</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	1	9.09%
13:00 - 13:59	1	9.09%
14:00 - 14:59	0	0.00%
15:00 - 15:59	3	27.27%
16:00 - 16:59	0	0.00%
17:00 - 17:59	1	9.09%
18:00 - 18:59	0	0.00%
19:00 - 19:59	1	9.09%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	1	9.09%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>8</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	7	63.64%
Wet	4	36.36%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>11</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	9	81.82%
Dawn	0	0.00%
Dusk	1	9.09%
Dark-Lighted	0	0.00%
Dark-Not Lighted	1	9.09%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>11</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	7	63.64%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	4	36.36%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>11</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	9.09%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	9	81.82%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	1	9.09%
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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>10</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	4	36.36%
Passed Stop Sign	3	27.27%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	3	27.27%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	1	9.09%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>11</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	10	50.00%
Failed to yield right of way	4	20.00%
Ran Red Light	0	0.00%
Ran Stop Sign	4	20.00%
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	1	5.00%
Made an improper turn	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	1	5.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>20</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2016</b>															
01/04/2016	17:34	S	00375	1.14	1.14	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dusk	Clear	Dry	0	0	N
04/08/2016	08:02	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	0	2	N
05/14/2016	19:43	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Rain	Wet	0	1	N
08/06/2016	13:57	S				Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
<b>2017</b>															
05/30/2017	08:25	S	00375	1.01	1.01	Property Damage Only	Not a collision between two vehicles	Other Post, Pole or Support	Driving in a careless or reckless manner	Daylight	Rain	Wet	0	0	N
07/21/2017	22:19	S	00375	1.05	1.05	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dark-Not Lighted	Clear	Dry	0	1	N
08/17/2017	12:44	S	00375	1.05	1.05	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
09/15/2017	15:47	S	00392	0.9	0.90	Property Damage Only	Front to rear	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Rain	Wet	0	0	N
09/29/2017	15:30	S	00375	1.05	1.05	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
<b>2018</b>															
06/03/2018	15:46	S	00392	0.91	0.91	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Rain	Wet	0	0	N
08/04/2018	09:02	S	00392	0.9	0.90	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N

Report generated by TDTSCJM at 2021-02-19 14:43:19.511

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

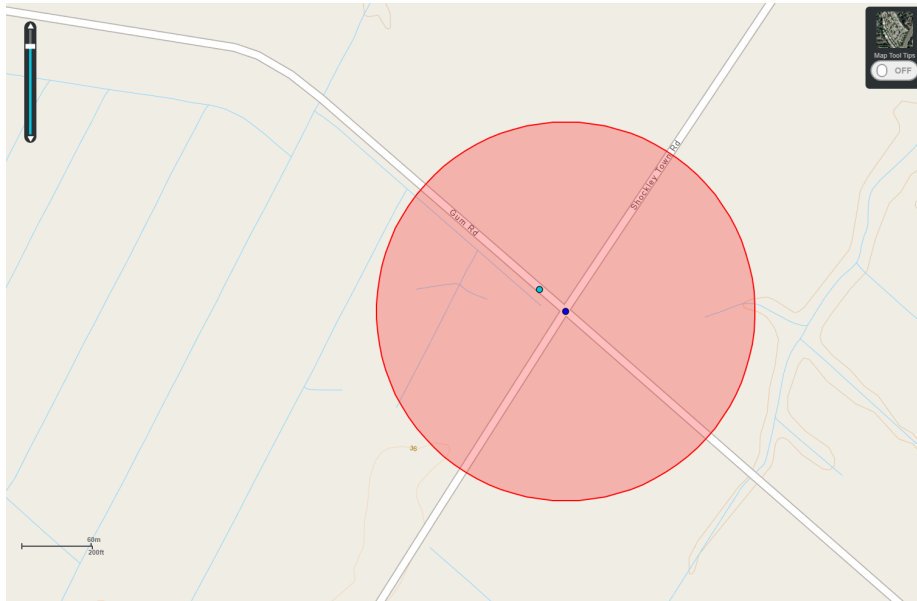
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2020 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 1  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	1	Non-Reportable	0	0.00%	Front to rear	0	0.00%
<b>Fatal Crashes</b>	0	Reportable	1	100.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	0	0.00%	Angle	0	0.00%
<b>Total Non Alcohol-Related Crashes</b>	1	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>1</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	1	100.00%
					<b>Total</b>	<b>1</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	0	0	0	<b>0</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	0	0.00%
Monday	0	0.00%
Tuesday	0	0.00%
Wednesday	1	100.00%
Thursday	0	0.00%
Friday	0	0.00%
Saturday	0	0.00%
<b>Total</b>	<b>1</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	0	0.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>0</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	0	0.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	1	100.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>1</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	1	100.00%
Wet	0	0.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	0	0.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	1	100.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	1	100.00%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	100.00%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>0</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	0	0.00%
Passed Stop Sign	0	0.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	1	100.00%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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<b>Driver Action</b>		
	<b># of Drivers</b>	<b>% of Total Crashes</b>
No Contributing Action	1	100.00%
Failed to yield right of way	0	0.00%
Ran Red Light	0	0.00%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	0.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
10/07/2020	20:44	S	00392	0.88	0.88	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dark-Not Lighted	Clear	Dry	0	0	N

Report generated by TDTSCJM at 2021-02-19 14:45:22.315

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

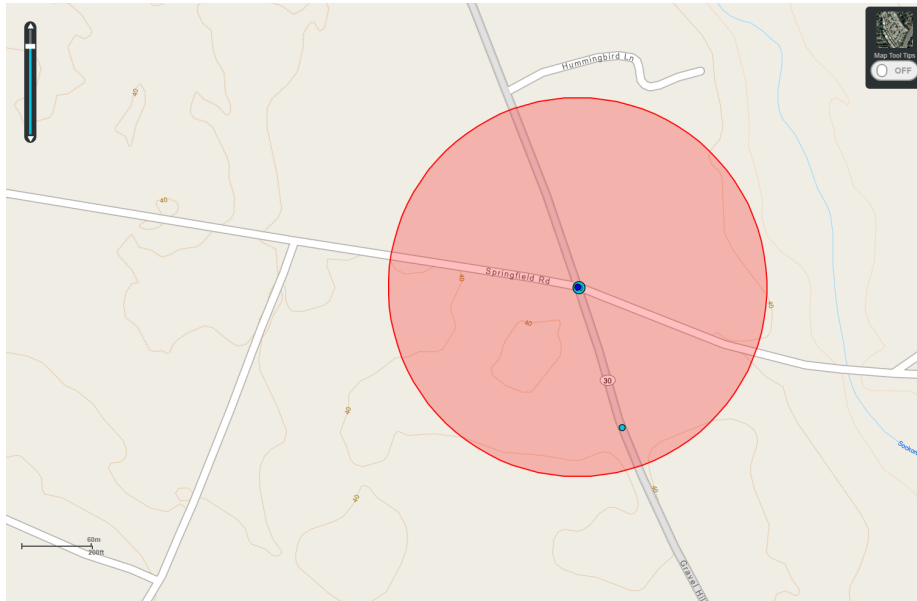
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2014 - 12/31/2016  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 11  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	11	Non-Reportable	0	0.00%	Front to rear	0	0.00%
<b>Fatal Crashes</b>	0	Reportable	6	54.55%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	5	45.45%	Angle	9	81.82%
<b>Total Non Alcohol-Related Crashes</b>	11	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>11</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	1	9.09%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	1	9.09%
					<b>Total</b>	<b>11</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	6	5	0	<b>11</b>
<b>Total</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>0</b>	<b>11</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	5	4	0	<b>9</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	1	0	0	<b>1</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	0	1	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>0</b>	<b>11</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	9.09%
Monday	0	0.00%
Tuesday	3	27.27%
Wednesday	1	9.09%
Thursday	3	27.27%
Friday	3	27.27%
Saturday	0	0.00%
<b>Total</b>	<b>11</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	2	18.18%
08:00 - 08:59	1	9.09%
09:00 - 09:59	0	0.00%
10:00 - 10:59	1	9.09%
11:00 - 11:59	3	27.27%
<b>Total</b>	<b>7</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	2	18.18%
13:00 - 13:59	0	0.00%
14:00 - 14:59	1	9.09%
15:00 - 15:59	1	9.09%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>4</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	10	90.91%
Wet	1	9.09%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>11</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	10	90.91%
Dawn	1	9.09%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	0	0.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>11</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	7	63.64%
Cloudy	3	27.27%
Fog, Smog, Smoke	0	0.00%
Rain	1	9.09%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>11</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	10	90.91%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	1	9.09%
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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>11</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	6	54.55%
Passed Stop Sign	2	18.18%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	1	9.09%
Driver inattention, distraction, or fatigue	2	18.18%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>11</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	10	47.62%
Failed to yield right of way	7	33.33%
Ran Red Light	0	0.00%
Ran Stop Sign	1	4.76%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	1	4.76%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	2	9.52%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>21</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2014</b>															
03/25/2014	07:52	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Dawn	Cloudy	Dry	0	1	N
04/10/2014	14:00	S	00047	2.12	2.12	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
04/29/2014	07:59	S	00248	6.17	6.17	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Cloudy	Dry	0	0	N
06/12/2014	12:20	S				Personal Injury Crash	Not a collision between two vehicles	Utility Pole	Driving under the influence	Daylight	Cloudy	Dry	0	1	N
11/06/2014	11:02	S	00047	2.12	2.12	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Rain	Wet	0	0	N
<b>2015</b>															
06/12/2015	11:51	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	N
09/23/2015	08:15	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	1	N
10/27/2015	12:13	S	00047	2.12	2.12	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
<b>2016</b>															
10/07/2016	15:16	S	00248	6.18	6.18	Property Damage Only	Other	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
10/14/2016	10:25	S	00047	2.12	2.12	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	N
10/23/2016	11:17	S				Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N

Report generated by TDTSCJM at 2021-02-19 13:55:41.775

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

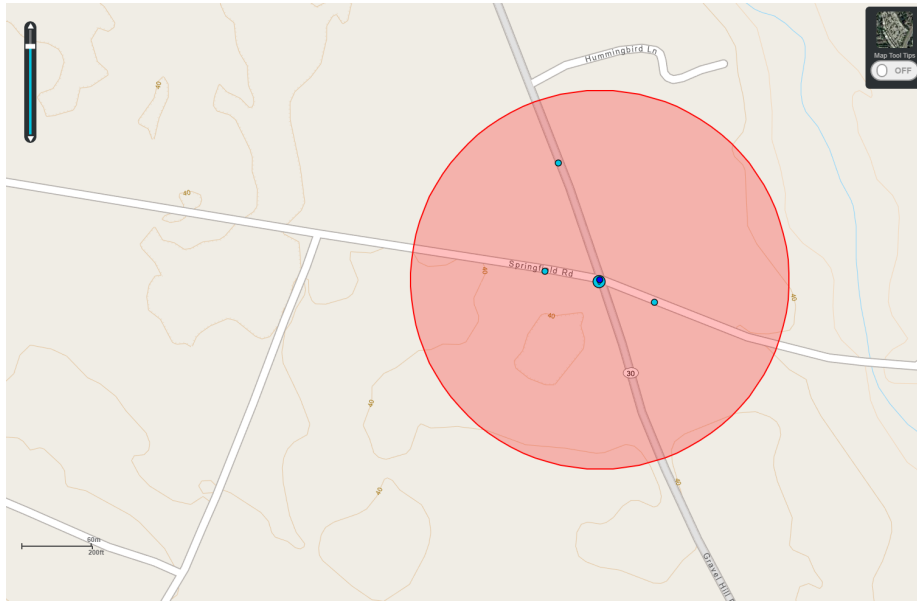
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2019 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 9  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	9	Non-Reportable	0	0.00%	Front to rear	4	44.44%
<b>Fatal Crashes</b>	0	Reportable	8	88.89%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	1	Personal Injury	1	11.11%	Angle	4	44.44%
<b>Total Non Alcohol-Related Crashes</b>	8	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>9</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	1	11.11%
					<b>Total</b>	<b>9</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	1	0	0	1
Non-Alcohol Related	0	7	1	0	8
<b>Total</b>	<b>0</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>9</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	3	1	0	4
Front to front	0	0	0	0	0
Angle	0	4	0	0	4
Sideswipe, same direction	0	0	0	0	0
Sideswipe, opposite direction	0	0	0	0	0
Rear to side	0	0	0	0	0
Rear to rear	0	0	0	0	0
Other	0	0	0	0	0
Unknown	0	0	0	0	0
Not a collision between two vehicles	0	1	0	0	1
<b>Total</b>	<b>0</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>9</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	2	22.22%
Monday	1	11.11%
Tuesday	1	11.11%
Wednesday	3	33.33%
Thursday	0	0.00%
Friday	2	22.22%
Saturday	0	0.00%
<b>Total</b>	<b>9</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	1	11.11%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	1	11.11%
07:00 - 07:59	2	22.22%
08:00 - 08:59	3	33.33%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>7</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	1	11.11%
15:00 - 15:59	0	0.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	1	11.11%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>2</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	8	88.89%
Wet	1	11.11%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>9</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	5	55.56%
Dawn	2	22.22%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	2	22.22%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>9</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	7	77.78%
Cloudy	1	11.11%
Fog, Smog, Smoke	0	0.00%
Rain	1	11.11%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>9</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	11.11%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	8	88.89%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>8</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	2	22.22%
Passed Stop Sign	0	0.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	1	11.11%
Made improper turn	0	0.00%
Driving under the influence	1	11.11%
Driver inattention, distraction, or fatigue	2	22.22%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	1	11.11%
Other improper driving	0	0.00%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	1	11.11%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	1	11.11%
<b>Total</b>	<b>9</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	12	63.16%
Failed to yield right of way	2	10.53%
Ran Red Light	0	0.00%
Ran Stop Sign	1	5.26%
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	0	0.00%
Improper backing	1	5.26%
Wrong side or wrong way	0	0.00%
Followed too closely	1	5.26%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	2	10.53%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>19</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2019</b>															
03/11/2019	14:39	S	00047	2.11	2.11	Property Damage Only	Front to rear	Motor Vehicle in Transport	Unknown	Daylight	Clear	Dry	0	0	N
03/24/2019	02:02	S	00248	6.25	6.25	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dark-Not Lighted	Clear	Dry	0	0	N
04/17/2019	08:11	S	00047	2.15	2.15	Property Damage Only	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
05/01/2019	07:23	S	00047	2.09	2.09	Property Damage Only	Angle	Motor Vehicle in Transport	Improper backing	Daylight	Clear	Dry	0	0	N
05/24/2019	22:41	S	00047	2.12	2.12	Property Damage Only	Angle	Motor Vehicle in Transport	Driving under the influence	Dark-Not Lighted	Clear	Dry	0	0	Y
08/14/2019	08:12	S	00248	6.18	6.18	Personal Injury Crash	Front to rear	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	3	N
10/08/2019	06:50	S	00248	6.18	6.18	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dawn	Cloudy	Dry	0	0	N

**2020**

03/15/2020	07:20	S	00248	6.17	6.17	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Dawn	Rain	Wet	0	0	N
12/11/2020	08:01	S	00047	2.12	2.12	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N

Report generated by TDTSCJM at 2021-02-19 13:58:48.091

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

**PC – Primary Contributing Circumstance**

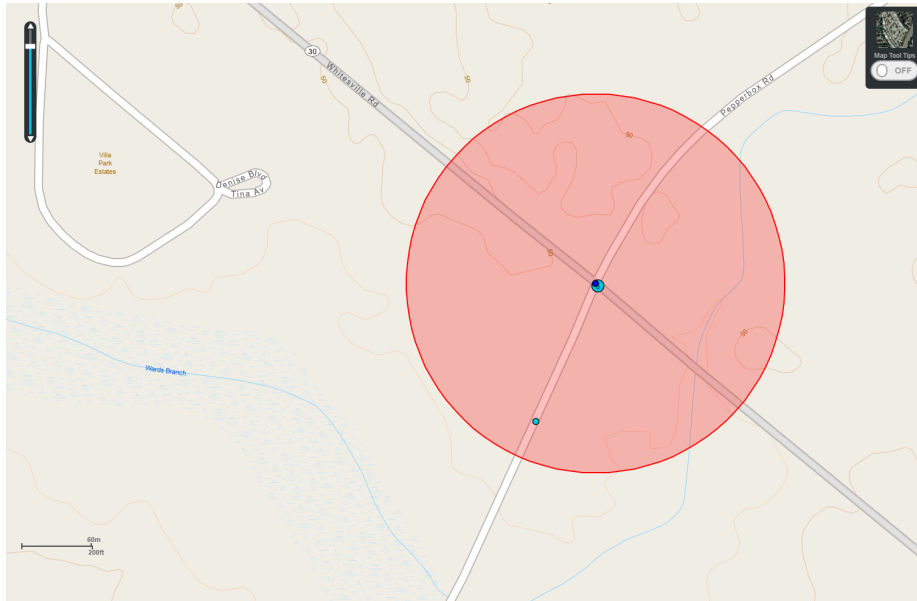
**Class – Report Classification**

**MOI – Manner of Impact**



# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2014 - 12/31/2016  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 7  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	7	Non-Reportable	0	0.00%	Front to rear	1	14.29%
<b>Fatal Crashes</b>	0	Reportable	3	42.86%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	4	57.14%	Angle	5	71.43%
<b>Total Non Alcohol-Related Crashes</b>	7	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>7</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	1	14.29%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0					0	0.00%
					<b>Total</b>	<b>7</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	3	4	0	<b>7</b>
<b>Total</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>7</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	1	0	0	<b>1</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	2	3	0	<b>5</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	1	0	<b>1</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	0	0	0	<b>0</b>
<b>Total</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>7</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	14.29%
Monday	1	14.29%
Tuesday	1	14.29%
Wednesday	2	28.57%
Thursday	0	0.00%
Friday	0	0.00%
Saturday	2	28.57%
<b>Total</b>	<b>7</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	1	14.29%
09:00 - 09:59	0	0.00%
10:00 - 10:59	1	14.29%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>2</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	1	14.29%
14:00 - 14:59	0	0.00%
15:00 - 15:59	1	14.29%
16:00 - 16:59	1	14.29%
17:00 - 17:59	0	0.00%
18:00 - 18:59	1	14.29%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	1	14.29%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>5</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	6	85.71%
Wet	1	14.29%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>7</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	6	85.71%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	1	14.29%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>7</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	6	85.71%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	1	14.29%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>7</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	7	100.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>7</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	2	28.57%
Passed Stop Sign	1	14.29%
Disregard Traffic Signal	2	28.57%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	1	14.29%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	1	14.29%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>7</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	7	50.00%
Failed to yield right of way	1	7.14%
Ran Red Light	0	0.00%
Ran Stop Sign	4	28.57%
Disregard other traffic sign	1	7.14%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	1	7.14%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	0.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>14</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2014</b>															
08/31/2014	21:52	S				Personal Injury Crash	Other	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Dark-Not Lighted	Clear	Dry	0	2	N
<b>2015</b>															
06/27/2015	10:40	S	00066	2.87	2.87	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Rain	Wet	0	3	N
07/11/2015	13:55	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	1	N
12/08/2015	15:29	S	00066	2.78	2.78	Property Damage Only	Front to rear	Motor Vehicle in Transport	Following too close	Daylight	Clear	Dry	0	0	N
<b>2016</b>															
03/09/2016	16:49	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	3	N
06/08/2016	18:45	S	00066	2.86	2.86	Property Damage Only	Angle	Motor Vehicle in Transport	Disregard Traffic Signal	Daylight	Clear	Dry	0	0	N
11/07/2016	08:05	S	00064	5.05	5.05	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N

Report generated by TDTSCJM at 2021-02-19 14:02:37.417

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

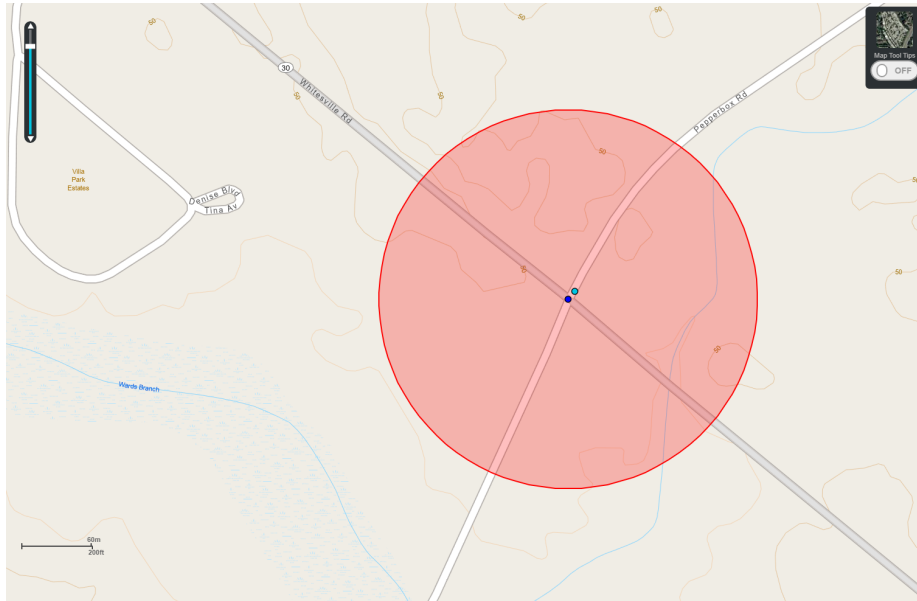
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2018 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 1  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
Total Crashes	1	Non-Reportable	0	0.00%	Front to rear	0	0.00%
Fatal Crashes	0	Reportable	1	100.00%	Front to front	1	100.00%
Total Alcohol-Related Crashes	0	Personal Injury	0	0.00%	Angle	0	0.00%
Total Non Alcohol-Related Crashes	1	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
Total Fatalities	0	<b>Total</b>	<b>1</b>		Sideswipe, opposite direction	0	0.00%
Total Pedestrian Fatalities	0				Rear to side	0	0.00%
Total Pedestrian Injuries	0				Rear to rear	0	0.00%
Total Pedestrian Crashes	0				Other	0	0.00%
Total Motorcycle Crashes	0				Unknown	0	0.00%
Total Pedalcyclist Crashes	0					0	0.00%
					<b>Total</b>	<b>1</b>	

Alcohol Related Crashes By Classification					
	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

Manner of Impact By Classification					
	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	1	0	0	<b>1</b>
Angle	0	0	0	0	<b>0</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	0	0	0	<b>0</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	100.00%
Monday	0	0.00%
Tuesday	0	0.00%
Wednesday	0	0.00%
Thursday	0	0.00%
Friday	0	0.00%
Saturday	0	0.00%
<b>Total</b>	<b>1</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	0	0.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	1	100.00%
<b>Total</b>	<b>1</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	0	0.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>0</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	0	0.00%
Wet	1	100.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	1	100.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	0	0.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	0	0.00%
Cloudy	1	100.00%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	100.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>1</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	0	0.00%
Passed Stop Sign	0	0.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	1	100.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	1	50.00%
Failed to yield right of way	0	0.00%
Ran Red Light	0	0.00%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	1	50.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>2</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
10/06/2019	11:59	S	00066	2.87	2.87	Property Damage Only	Front to front	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Cloudy	Wet	0	0	N

Report generated by TDTSCJM at 2021-02-19 14:05:51.712

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

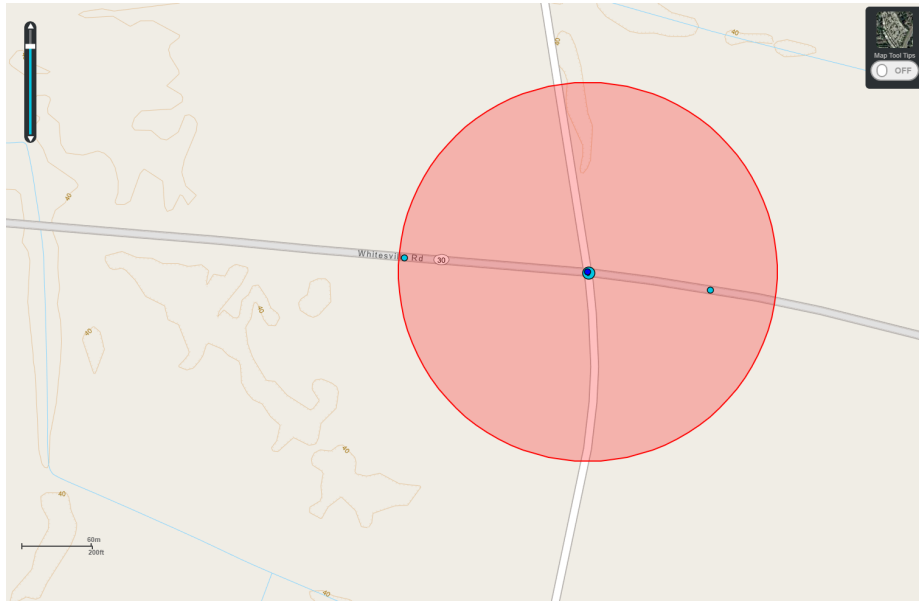
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2015 - 12/31/2017  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 5  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	5	Non-Reportable	0	0.00%	Front to rear	0	0.00%
<b>Fatal Crashes</b>	2	Reportable	2	40.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	1	20.00%	Angle	3	60.00%
<b>Total Non Alcohol-Related Crashes</b>	5	Fatality	2	40.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	2	<b>Total</b>	<b>5</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	2	40.00%
					<b>Total</b>	<b>5</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	2	1	2	<b>5</b>
<b>Total</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>5</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	0	1	2	<b>3</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	2	0	0	<b>2</b>
<b>Total</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>5</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	0	0.00%
Monday	1	20.00%
Tuesday	1	20.00%
Wednesday	1	20.00%
Thursday	0	0.00%
Friday	2	40.00%
Saturday	0	0.00%
<b>Total</b>	<b>5</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	1	20.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>1</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	1	20.00%
13:00 - 13:59	2	40.00%
14:00 - 14:59	1	20.00%
15:00 - 15:59	0	0.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>4</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	4	80.00%
Wet	1	20.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>5</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	5	100.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	0	0.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>5</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	4	80.00%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	1	20.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>5</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	20.00%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	3	60.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	1	20.00%
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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>4</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	1	20.00%
Passed Stop Sign	2	40.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	1	20.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	1	20.00%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>5</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	4	50.00%
Failed to yield right of way	0	0.00%
Ran Red Light	0	0.00%
Ran Stop Sign	3	37.50%
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	1	12.50%
Made an improper turn	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	0.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>8</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2015</b>															
06/19/2015	14:03	S	00064	1.57	1.57	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	2	N
<b>2016</b>															
01/26/2016	12:07	S	00068	3.33	3.33	Fatality Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	1	0	N
10/21/2016	13:58	S	00064	1.57	1.57	Fatality Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	1	0	N
11/16/2016	08:23	S	00064	1.64	1.64	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Daylight	Clear	Dry	0	0	N
<b>2017</b>															
05/22/2017	13:43	S	00064	1.47	1.47	Property Damage Only	Not a collision between two vehicles	Tree (standing)	Driving in a careless or reckless manner	Daylight	Rain	Wet	0	0	N

Report generated by TDTSCJM at 2021-02-19 14:36:52.006

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

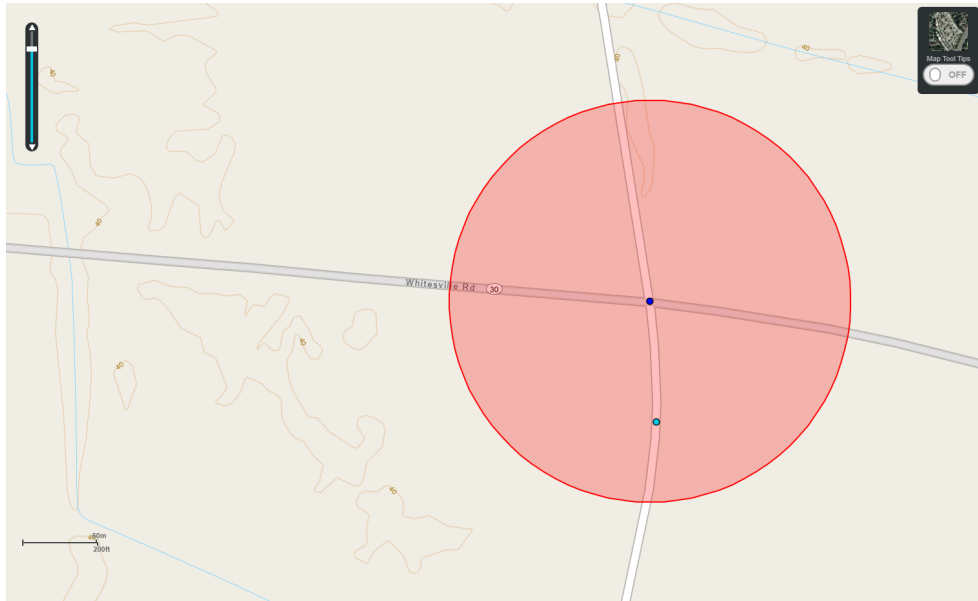
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2020 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 1  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	1	Non-Reportable	0	0.00%	Front to rear	0	0.00%
<b>Fatal Crashes</b>	0	Reportable	1	100.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	1	Personal Injury	0	0.00%	Angle	0	0.00%
<b>Total Non Alcohol-Related Crashes</b>	0	Fatality	0	0.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	<b>Total</b>	<b>1</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	1	100.00%
					<b>Total</b>	<b>1</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	1	0	0	<b>1</b>
Non-Alcohol Related	0	0	0	0	<b>0</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	0	0	0	<b>0</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	1	0	0	<b>1</b>
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	0	0.00%
Monday	0	0.00%
Tuesday	0	0.00%
Wednesday	0	0.00%
Thursday	1	100.00%
Friday	0	0.00%
Saturday	0	0.00%
<b>Total</b>	<b>1</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	1	100.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	0	0.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	0	0.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>1</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	0	0.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	0	0.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>0</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	1	100.00%
Wet	0	0.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	0	0.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	1	100.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	1	100.00%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	1	100.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>1</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	0	0.00%
Passed Stop Sign	0	0.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	1	100.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
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	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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<b>Driver Action</b>		
	<b># of Drivers</b>	<b>% of Total Crashes</b>
No Contributing Action	0	0.00%
Failed to yield right of way	0	0.00%
Ran Red Light	0	0.00%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	0.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	1	100.00%
Unknown	0	0.00%
<b>Total</b>	<b>1</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
01/30/2020	00:00	S	00068	3.27	3.27	Property Damage Only	Not a collision between two vehicles	Ditch	Driving under the influence	Dark-Not Lighted	Clear	Dry	0	0	Y

2020

Report generated by TDTSCJM at 2021-02-19 14:40:23.364

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

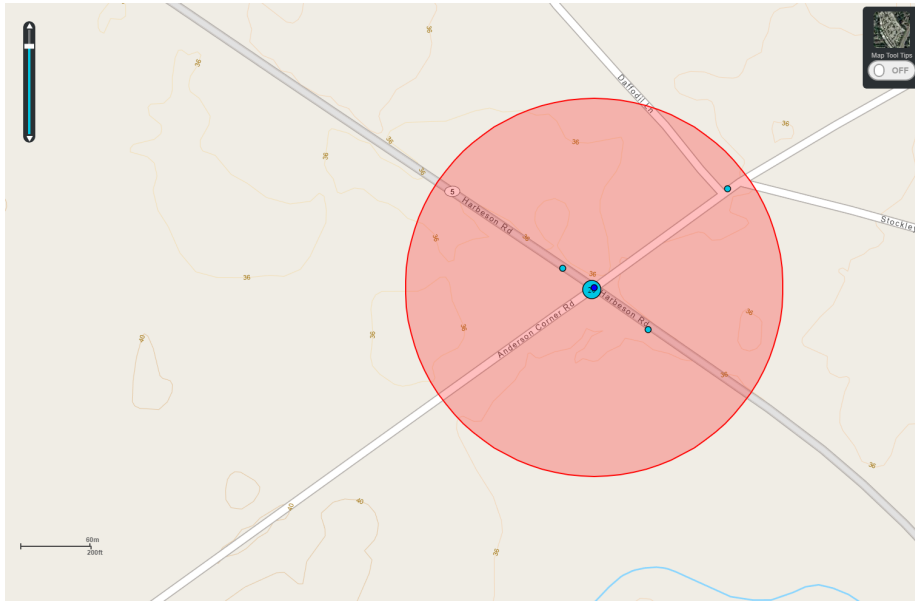
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2014 - 12/31/2016  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 23  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	23	Non-Reportable	0	0.00%	Front to rear	3	13.04%
<b>Fatal Crashes</b>	1	Reportable	14	60.87%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Personal Injury	8	34.78%	Angle	16	69.57%
<b>Total Non Alcohol-Related Crashes</b>	23	Fatality	1	4.35%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	1	<b>Total</b>	<b>23</b>		Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0				Rear to side	1	4.35%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	1	4.35%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	2	8.70%
					<b>Total</b>	<b>23</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	14	8	1	<b>23</b>
<b>Total</b>	<b>0</b>	<b>14</b>	<b>8</b>	<b>1</b>	<b>23</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	3	0	0	<b>3</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	8	7	1	<b>16</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	1	0	0	<b>1</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	1	0	<b>1</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	2	0	0	<b>2</b>
<b>Total</b>	<b>0</b>	<b>14</b>	<b>8</b>	<b>1</b>	<b>23</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	4.35%
Monday	2	8.70%
Tuesday	4	17.39%
Wednesday	4	17.39%
Thursday	6	26.09%
Friday	2	8.70%
Saturday	4	17.39%
<b>Total</b>	<b>23</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	1	4.35%
05:00 - 05:59	1	4.35%
06:00 - 06:59	0	0.00%
07:00 - 07:59	3	13.04%
08:00 - 08:59	1	4.35%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	4	17.39%
<b>Total</b>	<b>10</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	3	13.04%
14:00 - 14:59	0	0.00%
15:00 - 15:59	4	17.39%
16:00 - 16:59	3	13.04%
17:00 - 17:59	0	0.00%
18:00 - 18:59	1	4.35%
19:00 - 19:59	0	0.00%
20:00 - 20:59	1	4.35%
21:00 - 21:59	0	0.00%
22:00 - 22:59	1	4.35%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>13</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	23	100.00%
Wet	0	0.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>23</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	19	82.61%
Dawn	0	0.00%
Dusk	1	4.35%
Dark-Lighted	0	0.00%
Dark-Not Lighted	3	13.04%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>23</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	21	91.30%
Cloudy	2	8.70%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>23</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	1	4.35%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	21	91.30%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	1	4.35%
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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>22</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	13	56.52%
Passed Stop Sign	4	17.39%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	1	4.35%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	2	8.70%
Driving in a careless or reckless manner	1	4.35%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	1	4.35%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	1	4.35%
<b>Total</b>	<b>23</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	25	53.19%
Failed to yield right of way	14	29.79%
Ran Red Light	0	0.00%
Ran Stop Sign	3	6.38%
Disregard other traffic sign	1	2.13%
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	1	2.13%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	1	2.13%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	2	4.26%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>47</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2014</b>															
01/15/2014	11:43	S	00292	2.78	2.78	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
04/22/2014	15:23	S	00292	2.87	2.87	Property Damage Only	Angle	Motor Vehicle in Transport	Made improper turn	Daylight	Clear	Dry	0	0	N
05/31/2014	08:32	S	00292	2.78	2.78	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	3	N
06/12/2014	13:00	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Cloudy	Dry	0	1	N
07/05/2014	22:21	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Dark-Not Lighted	Clear	Dry	0	1	N
08/26/2014	07:56	S	00022	11.21	11.21	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
10/23/2014	18:13	S	00292	2.78	2.78	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Dusk	Clear	Dry	0	2	N
10/24/2014	15:16	S	00292	2.78	2.78	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	2	N
12/08/2014	05:30	S	00022	11.22	11.22	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dark-Not Lighted	Clear	Dry	0	0	N

**2015**

03/07/2015	11:49	S	00292	2.78	2.78	Fatality Crash	Angle	Motor Vehicle in Transport	Driving in a careless or reckless manner	Daylight	Clear	Dry	1	5	N
04/30/2015	16:23	S	00022	11.2	11.20	Property Damage Only	Front to rear	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
06/09/2015	16:39	S	00292	2.78	2.78	Personal Injury Crash	Other	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	3	N
08/12/2015	13:52	S	00022	11.2	11.20	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
09/14/2015	15:20	S	00022	11.2	11.20	Property Damage Only	Front to rear	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
12/10/2015	13:05	S	00292	2.78	2.78	Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	1	N

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2016</b>															
01/13/2016	11:43	S	00022	11.2	11.20	Property Damage Only	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	0	N
04/15/2016	04:25	S	00022	11.16	11.16	Property Damage Only	Not a collision between two vehicles	Tree (standing)	Unknown	Dark-Not Lighted	Clear - Clear	Dry	0	0	N
06/19/2016	20:30	S				Personal Injury Crash	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	2	N
06/28/2016	11:48	S	00292	2.78	2.78	Property Damage Only	Rear to side	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Cloudy	Dry	0	0	N
07/07/2016	15:01	S	00022	11.2	11.20	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
09/14/2016	07:44	S	00022	11.2	11.20	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
11/26/2016	16:14	S	00022	11.2	11.20	Property Damage Only	Angle	Motor Vehicle in Transport	Driver inattention, distraction, or fatigue	Daylight	Clear	Dry	0	0	N
12/22/2016	07:12	S	00292	2.78	2.78	Property Damage Only	Front to rear	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N

Report generated by TDTSCJM at 2021-02-19 13:35:39.799

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – Injury**

**AL - Alcohol Involved**

**LC – Lighting Condition**

**WC – Weather Condition**

**SC – Surface Condition**

**FHE – First Harmful Event**

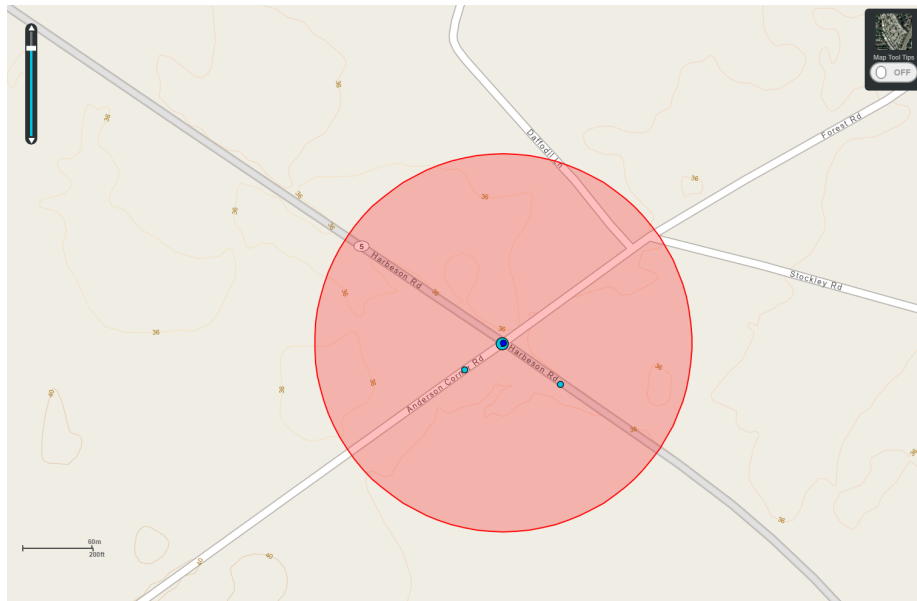
**PC – Primary Contributing Circumstance**

**Class – Report Classification**

**MOI – Manner of Impact**

# Delaware Crash Analysis Reporting System

**Crash Study Time Period:** 01/01/2019 - 12/31/2020  
**Query Type:** AdvancedQueryTool  
**Description:** AWSC Phase 2 Research  
**Study Requested By:** Stephanie Everett (RK&K)  
**Study Generated By:** TDTSCJM  
**Number of Crashes:** 4  
**Includes Non-Reportable Crashes:** N  
**Study Code:**



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## State of Delaware Crash Study

Summary		Classification			Manner of Impact		
	# of Crashes		# of Crashes	% of Total Crashes		# of Crashes	% of Total Crashes
<b>Total Crashes</b>	4				Front to rear	0	0.00%
<b>Fatal Crashes</b>	0	Non-Reportable	0	0.00%	Front to front	0	0.00%
<b>Total Alcohol-Related Crashes</b>	0	Reportable	3	75.00%	Angle	2	50.00%
<b>Total Non Alcohol-Related Crashes</b>	4	Personal Injury	1	25.00%	Sideswipe, same direction	0	0.00%
<b>Total Fatalities</b>	0	Fatality	0	0.00%	Sideswipe, opposite direction	0	0.00%
<b>Total Pedestrian Fatalities</b>	0	<b>Total</b>	<b>4</b>		Rear to side	0	0.00%
<b>Total Pedestrian Injuries</b>	0				Rear to rear	0	0.00%
<b>Total Pedestrian Crashes</b>	0				Other	0	0.00%
<b>Total Motorcycle Crashes</b>	0				Unknown	0	0.00%
<b>Total Pedalcyclist Crashes</b>	0				Not a collision between two vehicles	2	50.00%
					<b>Total</b>	<b>4</b>	

### Alcohol Related Crashes By Classification

	Non-reportable	Reportable	Personal Injury	Fatality	Total
Alcohol Related	0	0	0	0	<b>0</b>
Non-Alcohol Related	0	3	1	0	<b>4</b>
<b>Total</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>

### Manner of Impact By Classification

	Non-Reportable	Reportable	Personal Injury	Fatality	Total
Front to rear	0	0	0	0	<b>0</b>
Front to front	0	0	0	0	<b>0</b>
Angle	0	1	1	0	<b>2</b>
Sideswipe, same direction	0	0	0	0	<b>0</b>
Sideswipe, opposite direction	0	0	0	0	<b>0</b>
Rear to side	0	0	0	0	<b>0</b>
Rear to rear	0	0	0	0	<b>0</b>
Other	0	0	0	0	<b>0</b>
Unknown	0	0	0	0	<b>0</b>
Not a collision between two vehicles	0	2	0	0	<b>2</b>
<b>Total</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>

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Day Of Week		
	# of Crashes	% of Total Crashes
Sunday	1	25.00%
Monday	0	0.00%
Tuesday	0	0.00%
Wednesday	0	0.00%
Thursday	1	25.00%
Friday	1	25.00%
Saturday	1	25.00%
<b>Total</b>	<b>4</b>	

Time Of Day (AM)		
	# of Crashes	% of Total Crashes
00:00 - 00:59	0	0.00%
01:00 - 01:59	0	0.00%
02:00 - 02:59	0	0.00%
03:00 - 03:59	0	0.00%
04:00 - 04:59	0	0.00%
05:00 - 05:59	1	25.00%
06:00 - 06:59	0	0.00%
07:00 - 07:59	0	0.00%
08:00 - 08:59	1	25.00%
09:00 - 09:59	0	0.00%
10:00 - 10:59	0	0.00%
11:00 - 11:59	0	0.00%
<b>Total</b>	<b>2</b>	

Time Of Day (PM)		
	# of Crashes	% of Total Crashes
12:00 - 12:59	0	0.00%
13:00 - 13:59	0	0.00%
14:00 - 14:59	0	0.00%
15:00 - 15:59	1	25.00%
16:00 - 16:59	0	0.00%
17:00 - 17:59	0	0.00%
18:00 - 18:59	0	0.00%
19:00 - 19:59	0	0.00%
20:00 - 20:59	0	0.00%
21:00 - 21:59	0	0.00%
22:00 - 22:59	1	25.00%
23:00 - 23:59	0	0.00%
<b>Total</b>	<b>2</b>	
Unknown Time	0	

Surface Conditions		
	# of Crashes	% of Total Crashes
Dry	4	100.00%
Wet	0	0.00%
Snow	0	0.00%
Ice/Frost	0	0.00%
Sand	0	0.00%
Water (standing, moving)	0	0.00%
Slush	0	0.00%
Oil	0	0.00%
Mud, Dirt, Gravel	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>4</b>	

Lighting Conditions		
	# of Crashes	% of Total Crashes
Daylight	2	50.00%
Dawn	0	0.00%
Dusk	0	0.00%
Dark-Lighted	0	0.00%
Dark-Not Lighted	2	50.00%
Dark-Unknown Lighting	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>4</b>	

Weather Conditions		
	# of Crashes	% of Total Crashes
Clear	4	100.00%
Cloudy	0	0.00%
Fog, Smog, Smoke	0	0.00%
Rain	0	0.00%
Sleet, Hail (freezing rain or drizzle)	0	0.00%
Snow	0	0.00%
Blowing Snow	0	0.00%
Severe Crosswinds	0	0.00%
Blowing Sand, Soil, Dirt	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>4</b>	

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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	0	0.00%
Pedalcycle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	2	50.00%
Motor Vehicle in Transport, Collision With Person, Motor Vehicle, or Non-Fixed Object	2	50.00%
Legally Parked Motor Vehicle, Collision With Person, Motor Vehicle, or Non-Fixed Object	0	0.00%
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	0	0.00%
Ditch, Collision With Fixed Object	0	0.00%
Embankment, Collision With Fixed Object	0	0.00%

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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	0	0.00%
Unknown, Collision With Fixed Object	0	0.00%
<b>Total</b>	<b>2</b>	

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Primary Contributing Circumstance		
	# of Crashes	% of Total Crashes
Speeding	0	0.00%
Failed to yield right of way	1	25.00%
Passed Stop Sign	1	25.00%
Disregard Traffic Signal	0	0.00%
Wrong side or wrong way	0	0.00%
Improper passing	0	0.00%
Improper lane change	0	0.00%
Following too close	0	0.00%
Made improper turn	0	0.00%
Driving under the influence	0	0.00%
Driver inattention, distraction, or fatigue	0	0.00%
Driving in a careless or reckless manner	0	0.00%
Driving in an aggressive manner	0	0.00%
Improper backing	0	0.00%
Other improper driving	0	0.00%
Mechanical defects	0	0.00%
Animal in Roadway - Deer	2	50.00%
Animal in Roadway - Other Animal	0	0.00%
Other environmental circumstances - weather, glare	0	0.00%
Roadway circumstances - debris, holes, work zone,	0	0.00%
Other	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>4</b>	

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Driver Action		
	# of Drivers	% of Total Crashes
No Contributing Action	4	66.67%
Failed to yield right of way	1	16.67%
Ran Red Light	0	0.00%
Ran Stop Sign	1	16.67%
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	0	0.00%
Improper backing	0	0.00%
Wrong side or wrong way	0	0.00%
Followed too closely	0	0.00%
Failure to keep in proper lane	0	0.00%
Ran off roadway	0	0.00%
Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	0	0.00%
Swerving or avoiding due to wind, slippery surface, vehicle, object, non-motorist in roadway, etc.	0	0.00%
Over-correcting/over-steering	0	0.00%
Improper Passing	0	0.00%
Other Contributing Action	0	0.00%
Unknown	0	0.00%
<b>Total</b>	<b>6</b>	

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Date	Time	CTY	RD	MP	C-MP	Class	MOI	FHE	PC	LC	WC	SC	Fat	Inj	AL
<b>2019</b>															
07/20/2019	05:09	S	00292	2.76	2.76	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dark-Not Lighted	Clear	Dry	0	0	N
10/11/2019	08:24	S	00022	11.2	11.20	Property Damage Only	Angle	Motor Vehicle in Transport	Failed to yield right of way	Daylight	Clear	Dry	0	0	N
11/03/2019	15:27	S	00022	11.2	11.20	Personal Injury Crash	Angle	Motor Vehicle in Transport	Passed Stop Sign	Daylight	Clear	Dry	0	1	N
<b>2020</b>															
08/27/2020	22:57	S	00022	11.16	11.16	Property Damage Only	Not a collision between two vehicles	Animal	Animal in Roadway - Deer	Dark-Not Lighted	Clear	Dry	0	0	N

Report generated by TDTSCJM at 2021-02-19 13:38:22.753

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## **Report Legend**

**CTY – County**

**RD – Maintenance Road**

**MP – Milepoint**

**C-MP – Continuous Milepoint**

**Fat – Fatality**

**Inj – 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**

**Crash Trends at New AWSC Locations  
Delaware Department of Transportation**

Appendix C: Reduced Crash Thresholds  
*Interim Approval for Optional Use of an Alternative Warrant 7 – Crash Experience*



**Crash Trends at New AWSC Locations  
Delaware Department of Transportation**

The Federal Highway Administration also gave interim approval (IA-19) of an alternative crash warrant on February 24, 2017 for signals. Only one of the warrants below needs to be met in order to justify a traffic control device, according to the memorandum.

*At least one of the following conditions applies to the reported crash history (where each reported crash considered is related to the intersection and apparently exceeds the applicable requirements for a reported crash):*

1. *The number of reported angle crashes and pedestrian crashes within a one-year period equals or exceeds the threshold number in Table IA-19-1 for total angle crashes and pedestrian crashes (all severities); or*
2. *The number of reported fatal-and-injury angle crashes and pedestrian crashes within a one-year period equals or exceeds the threshold number in Table IA-19-1 for total fatal-and-injury angle crashes and pedestrian crashes; or*
3. *The number of reported angle crashes and pedestrian crashes within a three-year period equals or exceeds the threshold number in Table IA-19-2 for total angle crashes and pedestrian crashes (all severities); or*
4. *The number of reported fatal-and-injury angle crashes and pedestrian crashes within a three-year period equals or exceeds the threshold number in Table IA-19-2 for fatal-and-injury angle crashes and pedestrian crashes*

**Table IA-19-1. Minimum Number of Reported Crashes in a One-Year Period**

Number of through lanes on each approach		Total Angle and Pedestrian Crashes (all severities)		Total of Fatal-and-Injury Angle and Pedestrian Crashes	
Major Street	Minor Street	Four Legs	Three Legs	Four Legs	Three Legs
Urban Areas					
1	1	5	4	3	3
2 or more	1	5	4	3	3
2 or more	2 or more	5	4	3	3
1	2 or more	5	4	3	3
Rural Areas (major street speed >40 MPH or located in community with population < 10,000)					
1	1	4	3	3	3
2 or more	1	10	9	6	6
2 or more	2 or more	10	9	6	6
1	2 or more	4	3	3	3

Note: Angle crashes include all crashes that occur at an angle and involve one or more vehicles in the major street and one or more vehicles on the minor street.

**Table IA-19-2. Minimum Number of Reported Crashes in a Three-Year Period**

Number of through lanes on each approach		Total Angle and Pedestrian Crashes (all severities)		Total of Fatal-and-Injury Angle and Pedestrian Crashes	
Major Street	Minor Street	Four Legs	Three Legs	Four Legs	Three Legs
Urban					
1	1	6	6	4	4
2 or more	1	6	6	4	4
2 or more	2 or more	6	6	4	4
1	2 or more	6	6	4	4
Rural Areas (major street speed >40 MPH or located in community with population < 10,000)					
1	1	6	5	4	4
2 or more	1	16	13	9	9
2 or more	2 or more	16	13	9	9
1	2 or more	6	5	4	4

Note: Angle crashes include all crashes that occur at an angle and involve one or more vehicles in the major street and one or more vehicles on the minor street.

**Crash Trends at New AWSC Locations  
Delaware Department of Transportation**

Appendix D: CMF Clearinghouse Reports

## STUDY DETAILS

**Study Title:** Estimate of the Safety Effect of All-Way Stop Control Conversion in Washington, DC

**Authors:** Deng et al.

**Publication Date:** JUN, 2020

**Abstract:** This study evaluated safety effects associated with converting traditional stop control (TSC) to all-way stop control (AWSC) at 53 intersections in Washington, DC. The study utilized an observational treatment group and a randomly selected comparison group. Negative binomial regression modeling was used to estimate the effect of AWSC conversion on crash outcomes, control for confounding factors, and check its statistical significance. The study also examined potential covariates that could influence AWSC crash outcomes, such as the number of legs of the intersection and the functional classification of the intersecting roads. This study found an overall 36% reduction in all crashes and a 42% reduction in injury crashes with converting intersections from TSC to AWSC. In addition, the study revealed a statistically significant reduction in right-angle crashes along with a statistically significant increase in straight hit pedestrian crashes. For all the other collision types, including right turn, left turn, rear-end, sideswipes, and bicycle crashes, no statistically significant coefficients were found. With many "Vision Zero" cities considering increased use of AWSC to help achieve their safety goals, it is important to understand and communicate the safety effects of AWSC.

**Study Citation:** Deng, Z., S. Kyrychenko, T. Lee, and R. Retting. "Estimate of the Safety Effect of All-Way Stop Control Conversion in Washington, DC". Transportation Research Board 2674, Transportation Research Board of the National Academies of Science, Washington, D.C., (2020).

## CMFS ASSOCIATED WITH THIS STUDY

**CATEGORY:** INTERSECTION TRAFFIC CONTROL

**Countermeasure:** Convert minor-road stop control to all-way stop control

CMF	CRF(%)	Quality	Crash Type	Crash Severity	Roadway Type	Area Type
0.64	36	★★★★☆	All	All	Not specified	Not specified
0.58	42	★★★★☆	All	K,A,B,C	Not specified	Not specified
1.1	-10	★★★★☆	All	All	Not specified	Not specified
1.65	-65	★★★★☆	All	K,A,B,C	Not specified	Not specified
0.57	43	★★★★☆	All	All	Not specified	Not specified
0.46	54	★★★★☆	All	K,A,B,C	Not specified	Not specified
1.08	-8	★★★★☆	All	All	Major Collector	Not specified
1.99	-99	★★★★☆	All	K,A,B,C	Major Collector	Not specified
0.78	22	★★★★☆	All	All	Major Collector	Not specified
0.56	44	★★★★☆	All	K,A,B,C	Major Collector	Not specified
0.4	60	★★★★☆	All	All	Minor Arterial	Not specified
0.32	68	★★★★☆	All	K,A,B,C	Minor Arterial	Not specified
0.43	57	★★★★☆	All	All	Local	Not specified
0.4	60	★★★★☆	All	K,A,B,C	Local	Not specified
0.81	19	★★★★☆	All	All	Local	Not specified
0.86	14	★★★★☆	All	K,A,B,C	Local	Not specified
0.7	30	★★★★☆	All	All	All	Not specified
0.68	32	★★★★☆	All	K,A,B,C	All	Not specified
0.36	64	★★★★☆	All	All	All	Not specified
0.26	74	★★★★☆	All	K,A,B,C	All	Not specified
1.46	-46	★★★★☆	All	All	All	Not specified
1.68	-68	★★★★☆	All	K,A,B,C	All	Not specified

0.51	49	★★★★☆	All	All	All	Not specified
0.44	56	★★★★☆	All	K,A,B,C	All	Not specified
0.22	78	★★★★☆	All	All	All	Not specified
0.25	75	★★★★☆	All	K,A,B,C	All	Not specified
<b>0.69</b>	<b>31</b>	★★★★☆	<b>All</b>	<b>All</b>	<b>All</b>	<b>Not specified</b>
0.61	39	★★★★☆	All	K,A,B,C	All	Not specified
<b>0.17</b>	<b>83</b>	★★★★☆	<b>Angle</b>	<b>All</b>	<b>Not specified</b>	<b>Not specified</b>
1.25	-25	★★★★☆	Right turn	All	Not specified	Not specified
0.78	22	★★★★☆	Left turn	All	Not specified	Not specified
<b>1.03</b>	<b>-3</b>	★★★★☆	<b>Rear end</b>	<b>All</b>	<b>Not specified</b>	<b>Not specified</b>
1.37	-37	★★★★☆	Sideswipe	All	Not specified	Not specified
5.24	-424	★★★★☆	Other	All	Not specified	Not specified
2.37	-137	★★★★☆	Vehicle/pedestrian	All	Not specified	Not specified
1.29	-29	★★★★☆	Vehicle/bicycle	All	Not specified	Not specified

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

For more information, contact Karen Scurry at karen.scurry@dot.gov

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## STUDY DETAILS

**Study Title:** Evaluation of the Conversion from Two-Way Stop Sign Control to All-Way Stop Sign Control at 53 Locations in North Carolina

**Authors:** Simpson and Hummer

**Publication Date:** SEP, 2010

**Abstract:** Due to the perceived safety benefits, relative low cost, and ease of implementation of all-way stop control, there is growing interest in the conversion of intersections way to all-way stop control in North Carolina. However, there are few current, up-to-date studies quantifying their safety benefits, especially for higher speed rural locations or equipped with flashing beacons. The purpose of this project was to develop crash reduction factors for the conversion from two-way to all-way stop control at a diverse group of intersections that reflect North Carolina conditions and decision making. Other places with similar conditions might benefit from the findings as well. A total of 53 treatment sites in urban, suburban, and rural areas were chosen for analysis in this project. The treatment locations were divided into three groups based upon presence of an overhead and/or signal flashing beacon. Group 1 consisted of 33 intersections without flashing beacons; Group 2 consisted of 8 intersections with flashing beacons in the before and after period; and Group 3 consisted of 8 intersections where the flashing beacon was installed with the all-way stop control. The results show a substantial decrease in total, injury, and frontal-impact crashes after period when analyzing all locations and Groups 1, 2, and 3. The recommended crash reduction factors for conversion from two-way to all-way stop control are the factors calculated using the empirical Bayes method with consideration for traffic increase. The recommended crash reduction factors from the overall group are a 68% reduction in total crashes, a 77% reduction in injury crashes, a 75% reduction in frontal-impact crashes, and a 15% reduction in "ran-stop-sign" crashes.

**Study Citation:** Simpson, C.L. and Hummer, J.E., "Evaluation of the Conversion from Two-Way Stop Sign Control to All-Way Stop Sign Control at 53 Locations in North Carolina," Transportation Safety and Security, Vol 2, No. 3, (2010) pp. 239-260.

## CMFS ASSOCIATED WITH THIS STUDY

### CATEGORY: INTERSECTION TRAFFIC CONTROL

**Countermeasure:** Convert minor-road stop control to all-way stop control

CMF	CRF(%)	Quality	Crash Type	Crash Severity	Roadway Type	Area Type
0.855	14.5	★★★★☆	Angle	All	All	All
0.319	68.1	★★★★☆	All	All	All	All
0.23	77	★★★★☆	All	K,A,B,C	All	All
0.247	75.3	★★★★☆	Angle,Head on,Left turn,Right turn	All	All	All

**Countermeasure:** Convert two-way (with flashing beacons) to all-way stop control (with flashing beacons)

CMF	CRF(%)	Quality	Crash Type	Crash Severity	Roadway Type	Area Type
0.667	33.3	★★★☆☆	Angle	All	All	All
0.198	80.2	★★★★☆	All	All	All	All
0.135	86.5	★★★★☆	All	K,A,B,C	All	All
0.156	84.4	★★★★☆	Angle,Head on,Left turn,Right turn	All	All	All

**Countermeasure:** Convert two-way (without flashing beacons) to all-way stop control (with flashing beacons)

CMF	CRF(%)	Quality	Crash Type	Crash Severity	Roadway Type	Area Type
0.601	39.9	★★★☆☆	Angle	All	All	All
0.183	81.7	★★★★☆	All	All	All	All
0.134	86.6	★★★★☆	All	K,A,B,C	All	All
0.143	85.7	★★★★☆	Angle,Head on,Left turn,Right turn	All	All	All

**Countermeasure:** Convert two-way (without flashing beacons) to all-way stop control (without flashing beacons)

CMF	CRF(%)	Quality	Crash Type	Crash Severity	Roadway Type	Area Type
0.943	5.7	★☆☆☆☆	Angle	All	All	All
0.393	60.7	★☆☆☆☆	All	All	All	All
0.276	72.4	★☆☆☆☆	All	K,A,B,C	All	All
0.299	70.1	★☆☆☆☆	Angle,Head on,Left turn,Right turn	All	All	All

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

For more information, contact Karen Scurry at [karen.scurry@dot.gov](mailto:karen.scurry@dot.gov)

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