

# Appendix F - Existing Crashes

### Accident Summary Sheet

Location: Delaware Avenue from Elsmere Ave to Normans Kill  
 Period Covered: 1/2011 - 12/2015  
 Date: 10/25/2016

City: Bethlehem  
 County: Albany

Time of Day	Accidents	
	Number	Percentage
12AM-6AM	34	16.0%
6AM-10AM	101	47.4%
10AM-4PM	57	26.8%
4PM-7PM	20	9.4%
7PM-12AM	0	0.0%
<b>Total</b>	<b>213</b>	<b>100.0%</b>

Weather	Accidents	
	Number	Percentage
Clear	113	53.1%
Cloudy	68	31.9%
Rain	19	8.9%
Snow	11	5.2%
Sleet/Hail/Freezing Rain	1	0.5%
Unknown	1	0.5%
<b>Total</b>	<b>213</b>	<b>100.0%</b>

Pavement Condition	Accidents	
	Number	Percentage
Dry	164	77.0%
Wet	29	13.6%
Snow/Ice	17	8.0%
Slush	1	0.5%
Muddy	1	0.5%
Other	1	0.5%
Unknown	0	0.0%
<b>Total</b>	<b>213</b>	<b>100.0%</b>

Collision Type	Accidents	
	Number	Percentage
Overtaking	29	13.6%
Right Angle	54	25.4%
Rear End	42	19.7%
Sideswipe	4	1.9%
Left Turn (against other car)	13	6.1%
Left Turn (with other car)	2	0.9%
Head On	6	2.8%
Other	58	27.2%
Right Turn	4	1.9%
Unknown	1	0.5%
<b>Total</b>	<b>213</b>	<b>100.0%</b>

Type of Collision	Accidents	
	Number	Percentage
Collision with Motor Vehicle	173	81.2%
Collision with Animal/Object	31	14.6%
Collision with Bicyclist	7	3.3%
Collision with Pedestrian	2	0.9%
<b>Total</b>	<b>213</b>	<b>100.0%</b>

Accident Severity	Accidents	
	Number	Percentage
Fatal	0	0.0%
Injury	13	6.1%
Property Damage Only	98	46.0%
Property Damage & Injury	36	16.9%
Non-Reportable	66	31.0%
<b>Total</b>	<b>213</b>	<b>100.0%</b>

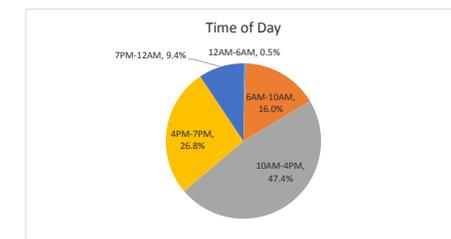
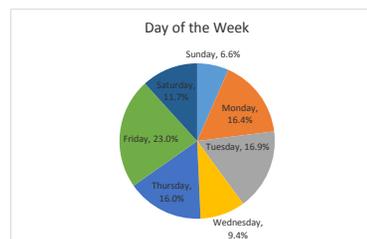
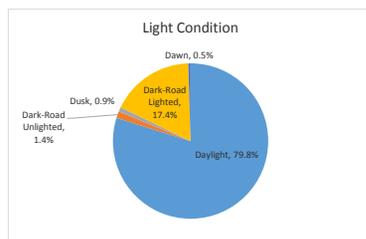
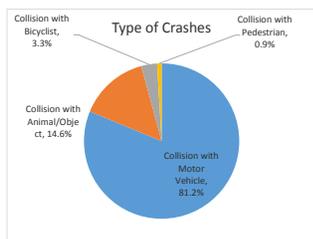
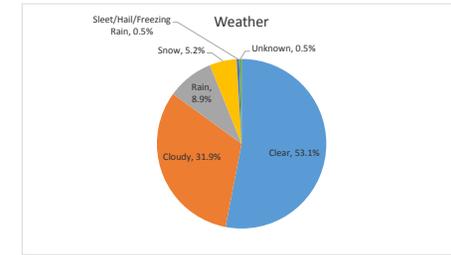
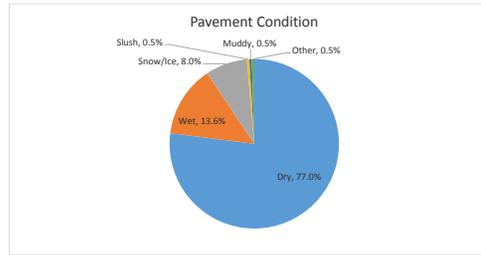
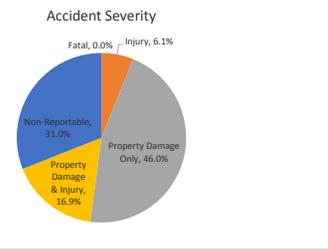
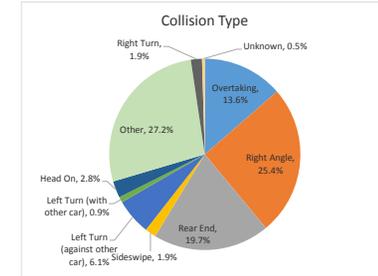
Days of the Week	Accidents	
	Number	Percentage
Sunday	14	6.6%
Tuesday	35	16.4%
Wednesday	20	9.4%
Thursday	34	16.0%
Friday	49	23.0%
Saturday	25	11.7%
<b>Total</b>	<b>213</b>	<b>100.0%</b>

Light Condition	Accidents	
	Number	Percentage
Daylight	170	79.8%
Dark-Road Unlighted	3	1.4%
Dusk	2	0.9%
Dark-Road Lighted	37	17.4%
Dawn	1	0.5%
<b>Total</b>	<b>213</b>	<b>100.0%</b>

Apparent Contributing Factors	Accidents	
	Number	Percentage
Alcohol Involvement	1	0.5%
Accelerator Defective	1	0.5%
Animal Action	9	4.2%
Backing Unsafely	16	7.5%
Brakes Defective	1	0.5%
Driver Inattention	62	29.1%
Driver Inexperience	3	1.4%
Failure to Keep Right	1	0.5%
Failure to Yield ROW	40	18.8%
Following too Closely	15	7.0%
Traffic Control Disregarded	1	0.5%
Outside Car Distraction	1	0.5%
Oversized Vehicle	1	0.5%
Other	3	1.4%
Passing or Lane Usage Improper	1	0.5%
Pavement Slippery	7	3.3%
Prescription Medication	1	0.5%
Reaction to Uninvolved Vehicle	6	2.8%
Steering Failure	1	0.5%
Turning Improper	4	1.9%
Unsafe Lane Change	9	4.2%
Unsafe Speed	2	0.9%
Glare	1	0.5%
Illness	3	1.4%
View Obstructed	2	0.9%
Unknown	21	9.9%
<b>Total</b>	<b>213</b>	<b>100.0%</b>

Bike/Ped Apparent Contributing Factors	Accidents	
	Number	Percentage
Glare	1	11.1%
Driver Inattention	3	33.3%
Failure to Yield ROW	1	11.1%
Turning Improper	1	11.1%
Outside Car Distraction	1	11.1%
Ped/Bike confusion/error	2	22.2%
<b>Total</b>	<b>9</b>	<b>100.0%</b>

Type of Apparent Contributing Factors	Accidents	
	Number	Percentage
Human	166	77.9%
Vehicular	4	1.9%
Environmental	19	8.9%
other	24	11.3%
<b>Total</b>	<b>213</b>	<b>100.0%</b>



Delaware Avenue Complete Streets Feasibility Study Linkage Crash Data (1/2011 - 12/2015)																		
Crashes Occurring on Delaware Avenue from Elsmere Avenue to the Normanskill Bridge																		
Link Crashes	Total Crashes	Crash Severity			Crash Type				Collision Type									
		Reportable	No. of Persons Injured	Fatalities	Collision with Motor Vehicle	Collision with Animal/Object	Collision with Bicyclist	Collision with Pedestrian	Overtaking	Right Angle	Rear End	Sideswipe	Left Turn (against other car)	Left Turn (with other car)	Head On	Other	Right Turn	Unknown
Elsmere Avenue to Booth Road	20	12	4	0	20				6	5	4		2			3		
Booth Road to Lincoln Avenue	20	16	8	0	17	1	1	1	3	7	2	1	1			5		1
Leonard Place to Bedell Avenue	4	2	0	0	3	1				2	1					1		
Bedell Avenue to Salisbury Road	3	2	1	0	2	1			1			1				1		
Euclid Avenue to Delaware Plaza	8	4	1	0	8				2	1	2	1	1			1		
Mason Road to Grant Street	7	7	4	0	6	1			2	1	1			1		1	1	
Old Delaware Avenue to Normanskill Bridge	13	8	7	0	9	4			1		4				1	7		
Normanskill Bridge to the City Line	6	5	0	0	4	2			1		3					2		
<b>Link Totals:</b>	<b>81</b>	<b>56</b>	<b>25</b>	<b>0</b>	<b>69</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>16</b>	<b>16</b>	<b>17</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>21</b>	<b>1</b>	<b>1</b>

Intersection Crashes	Total Crashes	Crash Severity			Crash Type				Collision Type									
		Reportable	No. of Persons Injured	Fatalities	Collision with Motor Vehicle	Collision with Animal/Object	Collision with Bicyclist	Collision with Pedestrian	Overtaking	Right Angle	Rear End	Sideswipe	Left Turn (against other car)	Left Turn (with other car)	Head On	Other	Right Turn	Unknown
Elsmere Avenue	26	11	9	0	19	6	1		1	5	5		3	2	1	9		
Booth Road	3	1	0	0	3				1	2								
Lincoln Avenue	6	5	7	0	6					2	2					2		
Leonard Place	14	11	4	0	10	2	2		2	2	4					6		
Bedell Avenue	2	1	1	0	1		1			1						1		
Salisbury Road	5	4	3	0	4	1				1	2		1			1		
Snowden Avenue	3	2	1	0	3						1				2			
Burhans Place	2	0	0	0	2					1	1							
Plymouth Avenue	1	1	0	0		1										1		
Euclid Avenue	15	11	5	0	13	2			2	5	2		1			4	1	
Normanskill Blvd/Delaware Plaza	11	6	2	0	9		1	1	2	5	1		1			2		
Key Bank/Pet Center Driveway	15	11	2	0	13	2			3	7	2		1			2		
McDonald's Driveway	20	15	9	0	16	3	1		1	6	4		1		2	5	1	
Mason Road	2	2	0	0	2				1			1						
Grant Street	7	3	0	0	3	4				1	1					4	1	
<b>Intersection Totals:</b>	<b>132</b>	<b>84</b>	<b>43</b>	<b>0</b>	<b>104</b>	<b>21</b>	<b>6</b>	<b>1</b>	<b>13</b>	<b>38</b>	<b>25</b>	<b>1</b>	<b>8</b>	<b>2</b>	<b>5</b>	<b>37</b>	<b>3</b>	<b>0</b>

<b>Link + Intersection Crashes Totals:</b>	<b>213</b>	<b>140</b>	<b>68</b>	<b>0</b>	<b>173</b>	<b>31</b>	<b>7</b>	<b>2</b>	<b>29</b>	<b>54</b>	<b>42</b>	<b>4</b>	<b>12</b>	<b>3</b>	<b>6</b>	<b>58</b>	<b>4</b>	<b>1</b>
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Data Source: NYS DOT ALIS Data accessed by CDTC staff  
 ALIS (Accident Location Information System)  
 LESQR (Location Editing, Simple Query, and Reporting)/QRA (Query, Report, and Analysis)