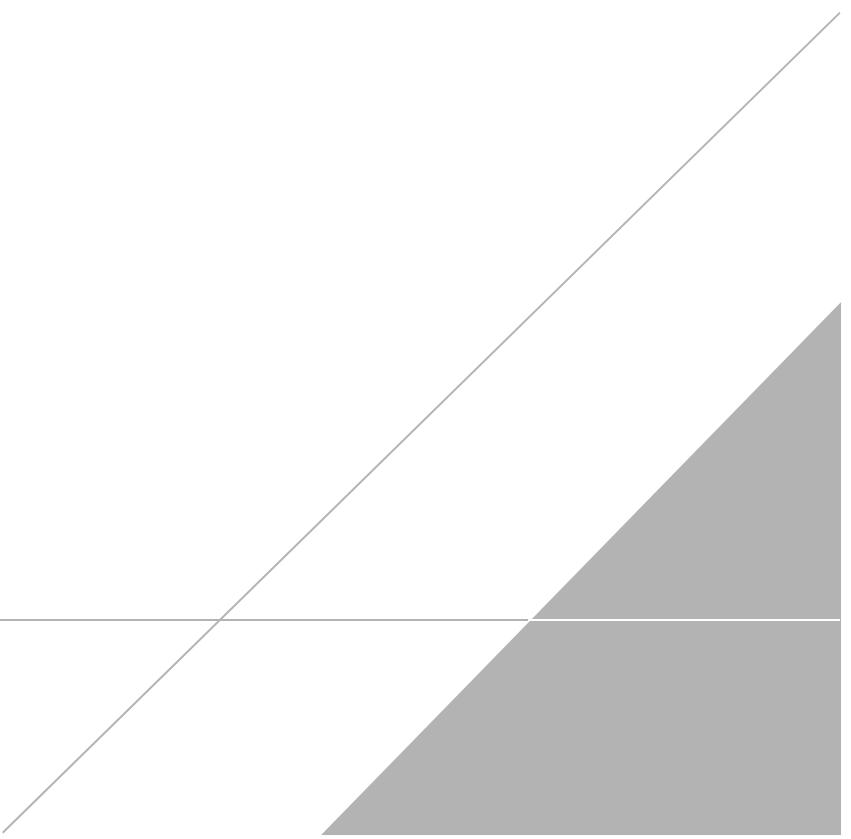


APPENDIX B

Crash Analysis Module Tool Results



APPENDIX B

Crash Analysis Module Tool Results - US 42 at Middletown Road



US 42 at Middletown Road

	Number
Total	18

CRASH_SEVERITY	Number	%
Injury Crash	9	50.0%
Property Damage Crash	9	50.0%
Grand Total	18	100.0%

TRAFFIC_CRASH_YEAR	Number	%
2019	3	16.7%
2020	5	27.8%
2021	7	38.9%
2022	3	16.7%
Grand Total	18	100.0%

DAY_OF_WEEK	Number	%
(2) Monday	6	33.3%
(4) Wednesday	3	16.7%
(6) Friday	3	16.7%
(5) Thursday	3	16.7%
(7) Saturday	1	5.6%
(3) Tuesday	1	5.6%
(1) Sunday	1	5.6%
Grand Total	18	100.0%

HOUR_OF_DAY	Number	%
3	1	5.6%
8	4	22.2%
9	1	5.6%
10	2	11.1%
12	2	11.1%
13	2	11.1%
15	1	5.6%
16	1	5.6%
17	2	11.1%
18	1	5.6%
20	1	5.6%
Grand Total	18	100.0%

TYPE_OF_CRASH	Number	%
Angle	10	55.6%
Left Turn	5	27.8%
Rear End	2	11.1%
Fixed Object	1	5.6%
Grand Total	18	100.0%

US 42 at Middletown Road

WEATHER_CONDITION	Number	%
Clear	11	61.1%
Cloudy	4	22.2%
Rain	2	11.1%
Unknown	1	5.6%
Grand Total	18	100.0%

ROAD_CONDITION	Number	%
Dry	16	88.9%
Wet	2	11.1%
Grand Total	18	100.0%

LIGHT_CONDITION	Number	%
Daylight	15	83.3%
Dark - Roadway Not Lighted	2	11.1%
Other / Unknown	1	5.6%
Grand Total	18	100.0%

NUMBER_OF_VEHICLES	Number	%
1	1	5.6%
2	16	88.9%
3	1	5.6%
Grand Total	18	100.0%

LOCATION	Number	%
Four-Way Intersection	15	83.3%
Not An Intersection	2	11.1%
Data Not Valid or Not Provided	1	5.6%
Grand Total	18	100.0%

CRASH_MONTH_NBR	Number	%
1	1	5.6%
2	2	11.1%
3	4	22.2%
4	1	5.6%
5	1	5.6%
6	2	11.1%
7	1	5.6%
9	3	16.7%
10	1	5.6%
11	2	11.1%
Grand Total	18	100.0%

ROAD_CONTOUR	Number	%
Straight Level	17	94.4%
Straight Grade	1	5.6%
Grand Total	18	100.0%

SPECIAL_AREA	Number	%
(blank)	18	100.0%
Grand Total	18	100.0%

ANIMAL_TYPE	Number	%
(blank)	18	100.0%
Grand Total	18	100.0%

US 42 at Middletown Road

ACTION1	Number	%
Straight Ahead	10	55.6%
Making Left Turn	5	27.8%
Slowing or Stopped In Traffic	1	5.6%
Making Right Turn	1	5.6%
Entering Traffic Lane	1	5.6%
Grand Total	18	100.0%

CONTRIBUTING_FACTOR1	Number	%
Failure to Yield	14	77.8%
Following Too Closely/ACDA	2	11.1%
Ran Stop Sign	1	5.6%
Improper Turn	1	5.6%
Grand Total	18	100.0%

	Number	%
Total	18	100.0%

TRAFFIC_CONTROL1	Number	%
Stop Sign	12	66.7%
Flasher	4	22.2%
No Control	2	11.1%
Grand Total	18	100.0%

DRIVER_ALCOHOL1	Number	%
No	17	94.4%
Yes	1	5.6%
Grand Total	18	100.0%

DRIVER_DRUGS1	Number	%
No	17	94.4%
Yes	1	5.6%
Grand Total	18	100.0%

US 42 at Middletown Road

DIRECTION_FROM1	Number	%
West	10	55.6%
East	5	27.8%
Southwest	2	11.1%
Northeast	1	5.6%
Grand Total	18	100.0%

DIRECTION_TO1	Number	%
West	7	38.9%
East	6	33.3%
Northeast	3	16.7%
North	2	11.1%
Grand Total	18	100.0%

POSTED_SPEED1	Number	%
45	13	72.2%
55	5	27.8%
Grand Total	18	100.0%

ESTIMATED_SPEED1	Number	%
5	5	27.8%
10	5	27.8%
0	2	11.1%
1	1	5.6%
45	1	5.6%
30	1	5.6%
25	1	5.6%
2	1	5.6%
3	1	5.6%
Grand Total	18	100.0%

VEHICLE_TYPE1	Number	%
Passenger Car	7	38.9%
Sport Utility Vehicle	4	22.2%
Pick up	2	11.1%
Semi-Tractor	2	11.1%
Motorcycle 2 Wheeled	1	5.6%
Cargo Van	1	5.6%
Single Unit Truck	1	5.6%
Grand Total	18	100.0%

VEHICLE_TYPE2	Number	%
Sport Utility Vehicle	9	50.0%
Passenger Car	4	22.2%
Pick up	3	16.7%
Motorcycle 2 Wheeled	1	5.6%
Grand Total	18	100.0%

US 42 at Middletown Road

ACTION2	Number	%
Straight Ahead	15	83.3%
Slowing or Stopped In Traffic	2	11.1%
	1	5.6%
Grand Total	18	100.0%

CONTRIBUTING_FACTOR2	Number	%
None	15	83.3%
Swerving to Avoid	2	11.1%
	1	5.6%
Grand Total	18	100.0%

DIRECTION_FROM2	Number	%
North	6	33.3%
Northeast	6	33.3%
South	2	11.1%
Southwest	2	11.1%
East	1	5.6%
	1	5.6%
Grand Total	18	100.0%

DIRECTION_TO2	Number	%
South	6	33.3%
Southwest	6	33.3%
North	2	11.1%
Northeast	2	11.1%
West	1	5.6%
	1	5.6%
Grand Total	18	100.0%

DRIVER_ALCOHOL2	Number	%
(blank)	18	100.0%
Grand Total	18	100.0%

DRIVER_DRUGS2	Number	%
(blank)	18	100.0%
Grand Total	18	100.0%

US 42 at Middletown Road

SEVERITY	CRASH_SEVERITY	
TRAFFIC_CRASH_YEAR	Property Damage Crash	Injury Crash
2019	2	1
2020	3	2
2021	4	3
2022	0	3
Grand Total	9	9

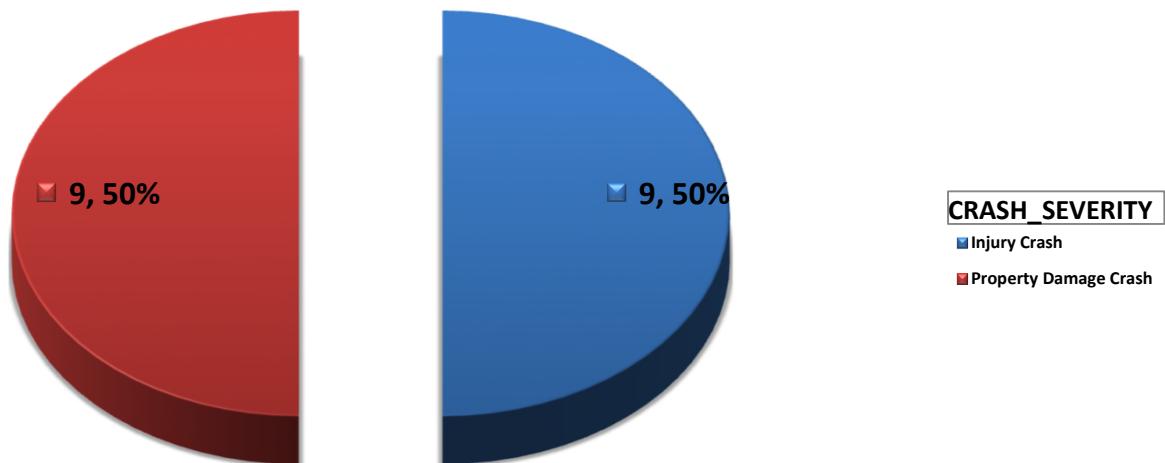
TRAFFIC_CRASH_YEAR	Fatalities	Incapacitating Injuries
2019	0	1
2020	0	0
2021	0	0
2022	0	1
Grand Total	0	2

TRAFFIC_CRASH_YEAR	INJ_TYPE2_SERIOUS_VISIBLE	INJ_TYPE3_MINOR_VISIBLE	INJ_TYPE4_NO_VISIBLE
2019	1	0	1
2020	0	1	2
2021	0	5	1
2022	1	3	1
Grand Total	2	9	5

US 42 at Middletown Road

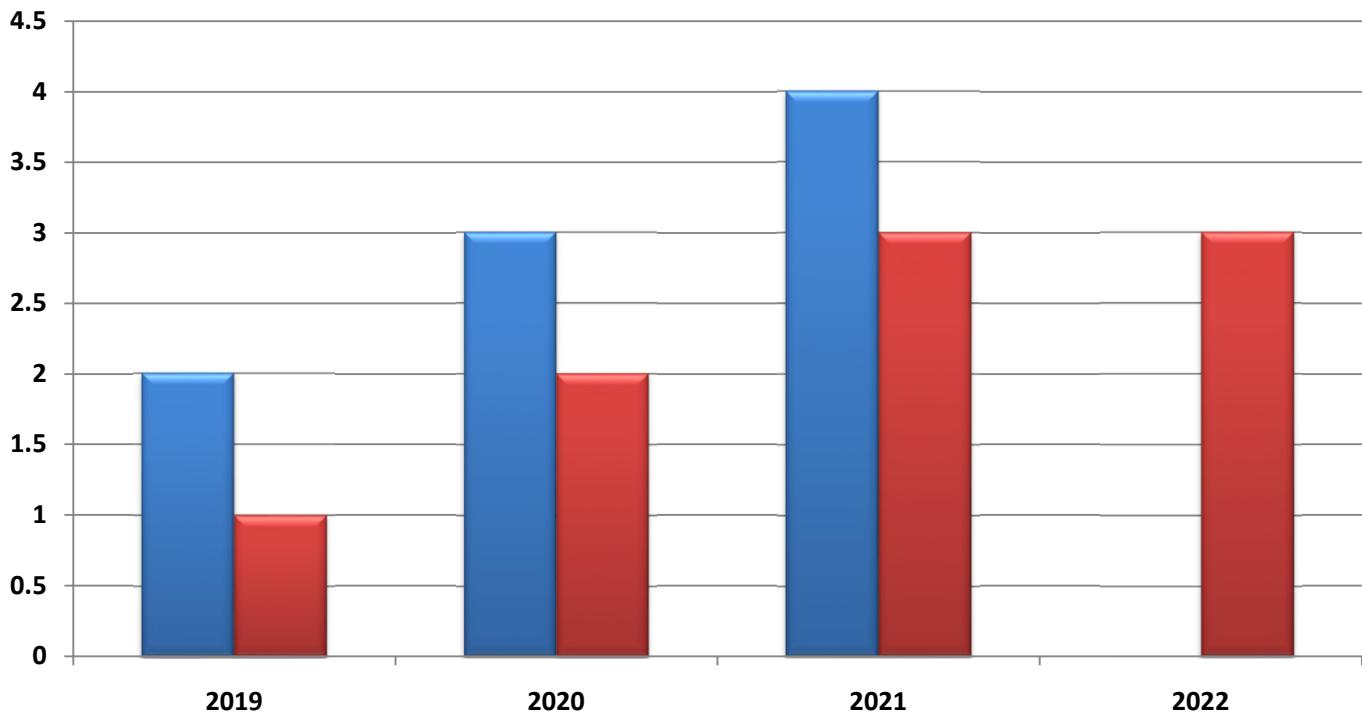
Number

Frequency of Crashes by Severity

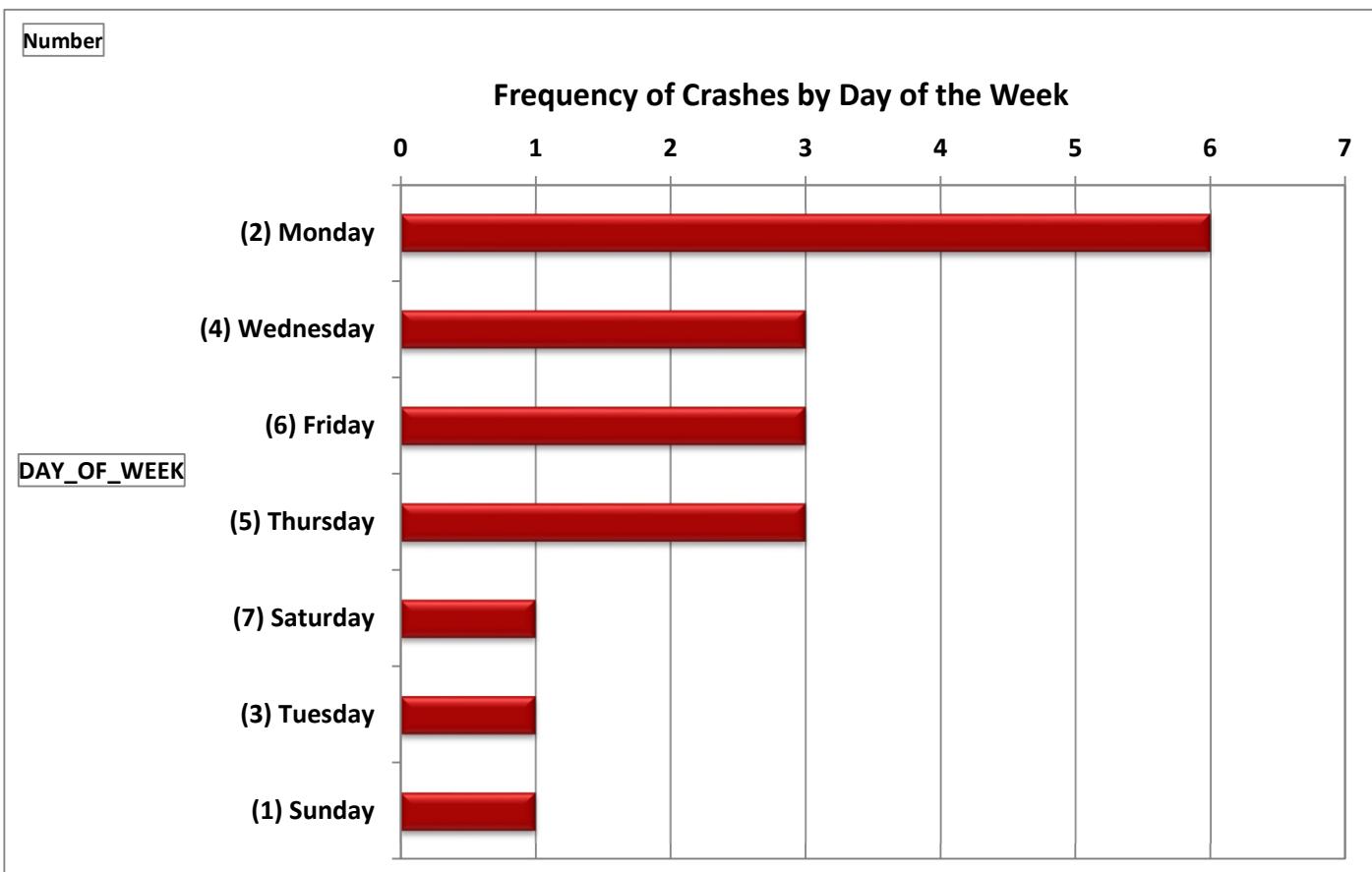
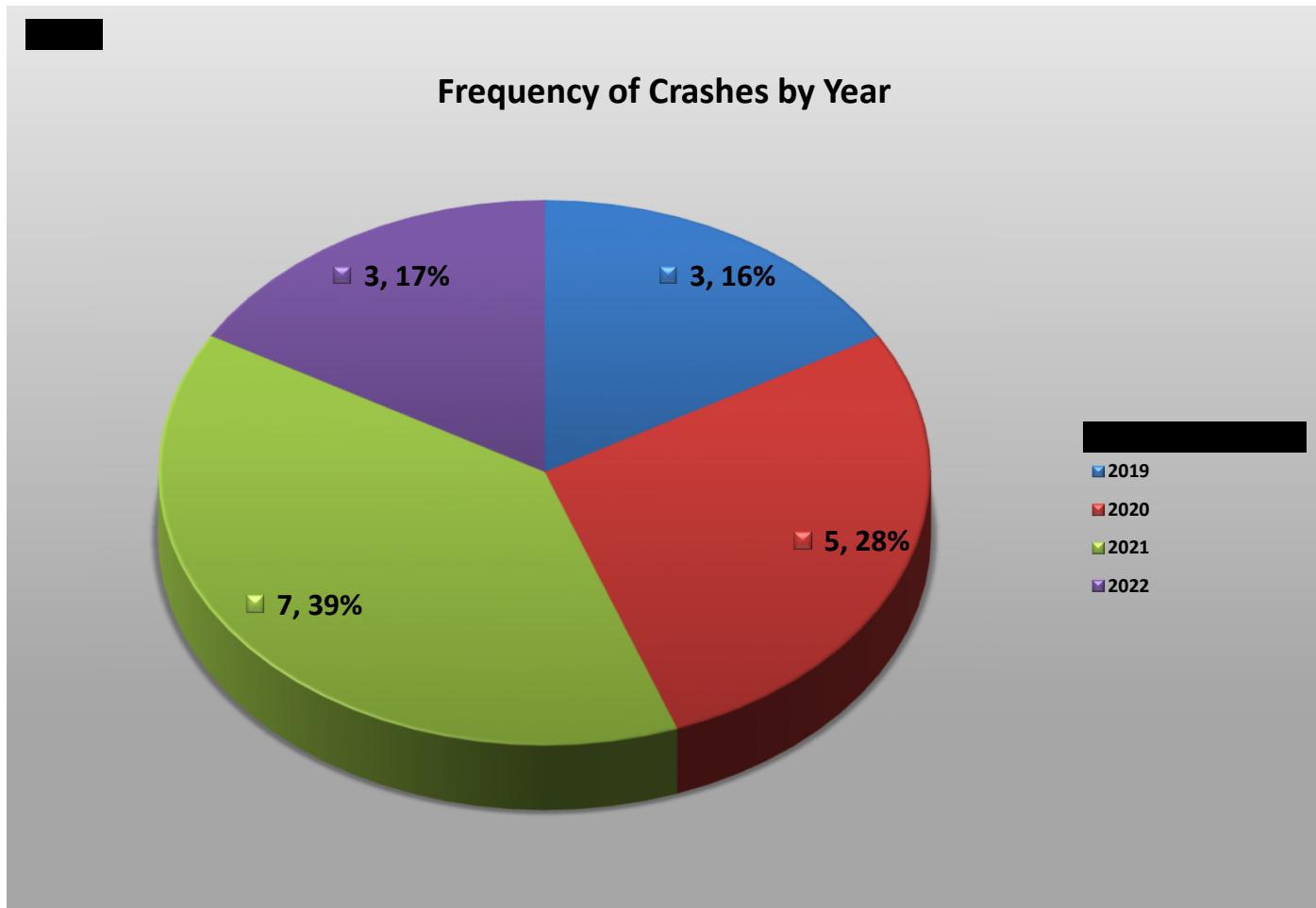


SEVERITY

Frequency of Crashes by Year and Severity

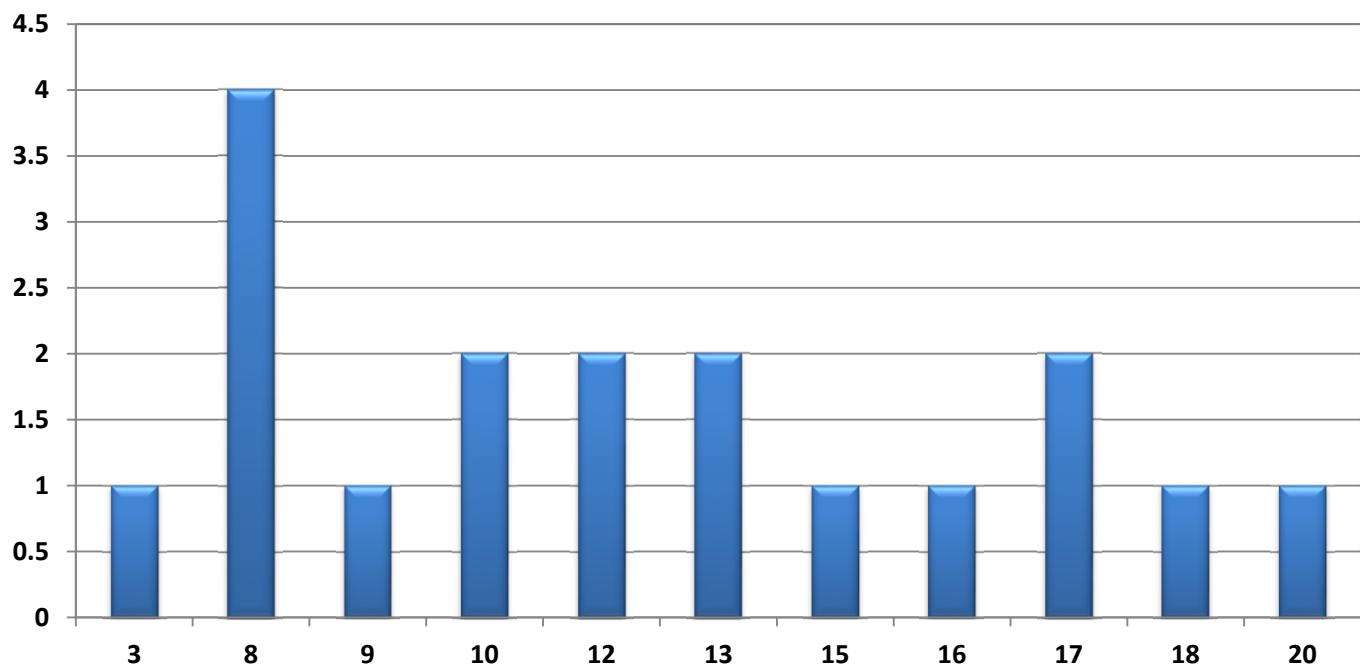


TRAFFIC_CRASH_YEAR



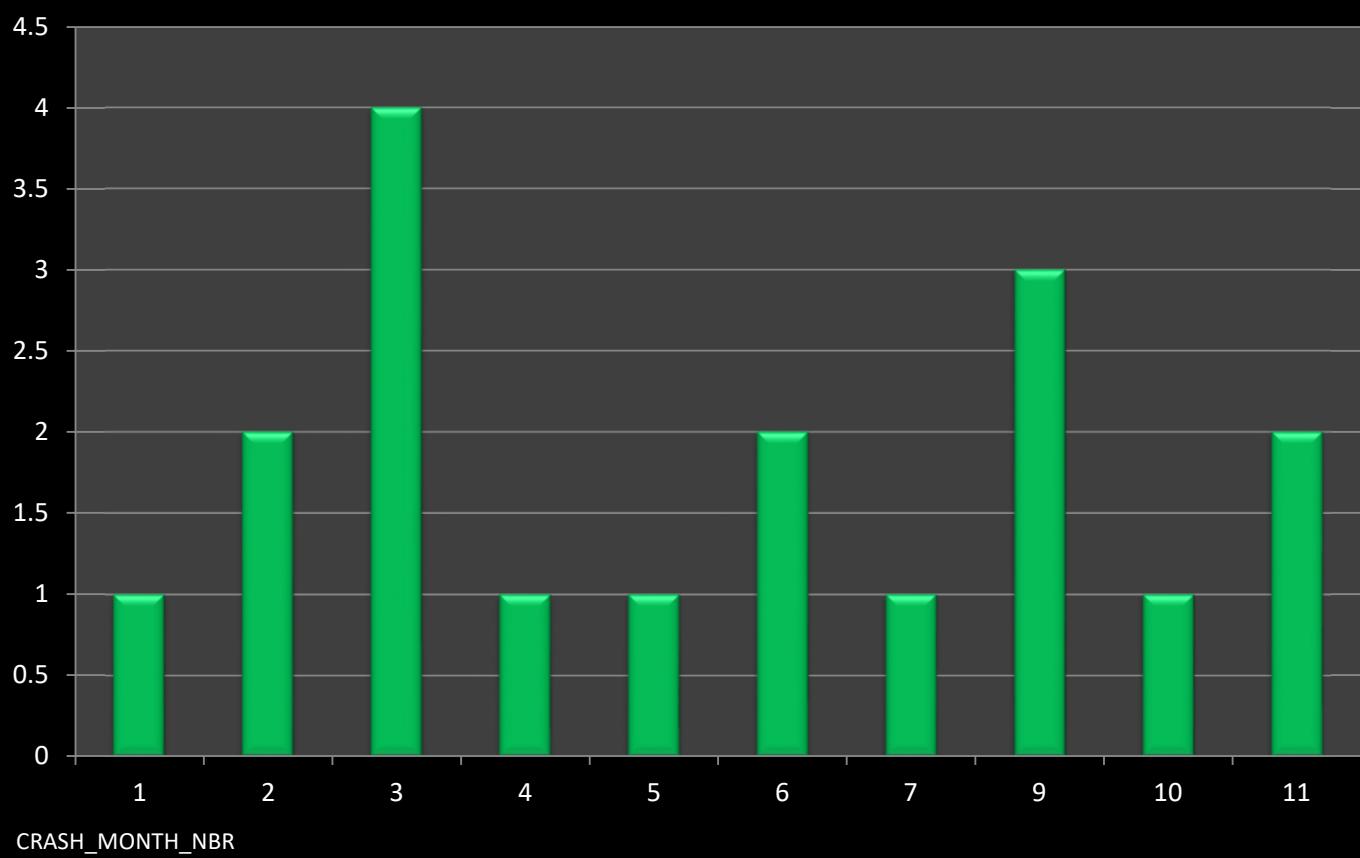
US 42 at Middletown Road

Frequency of Crashes by Hour

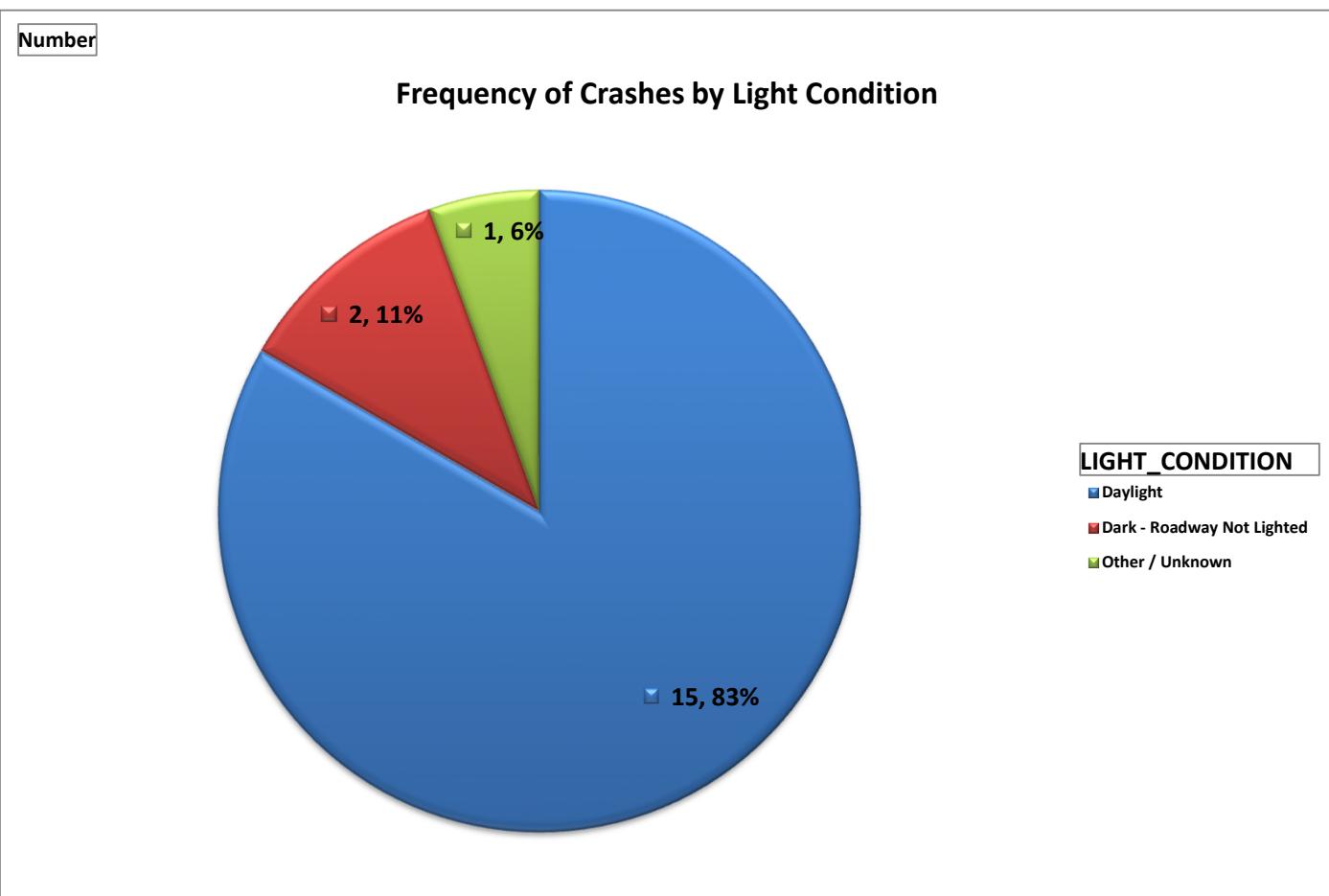
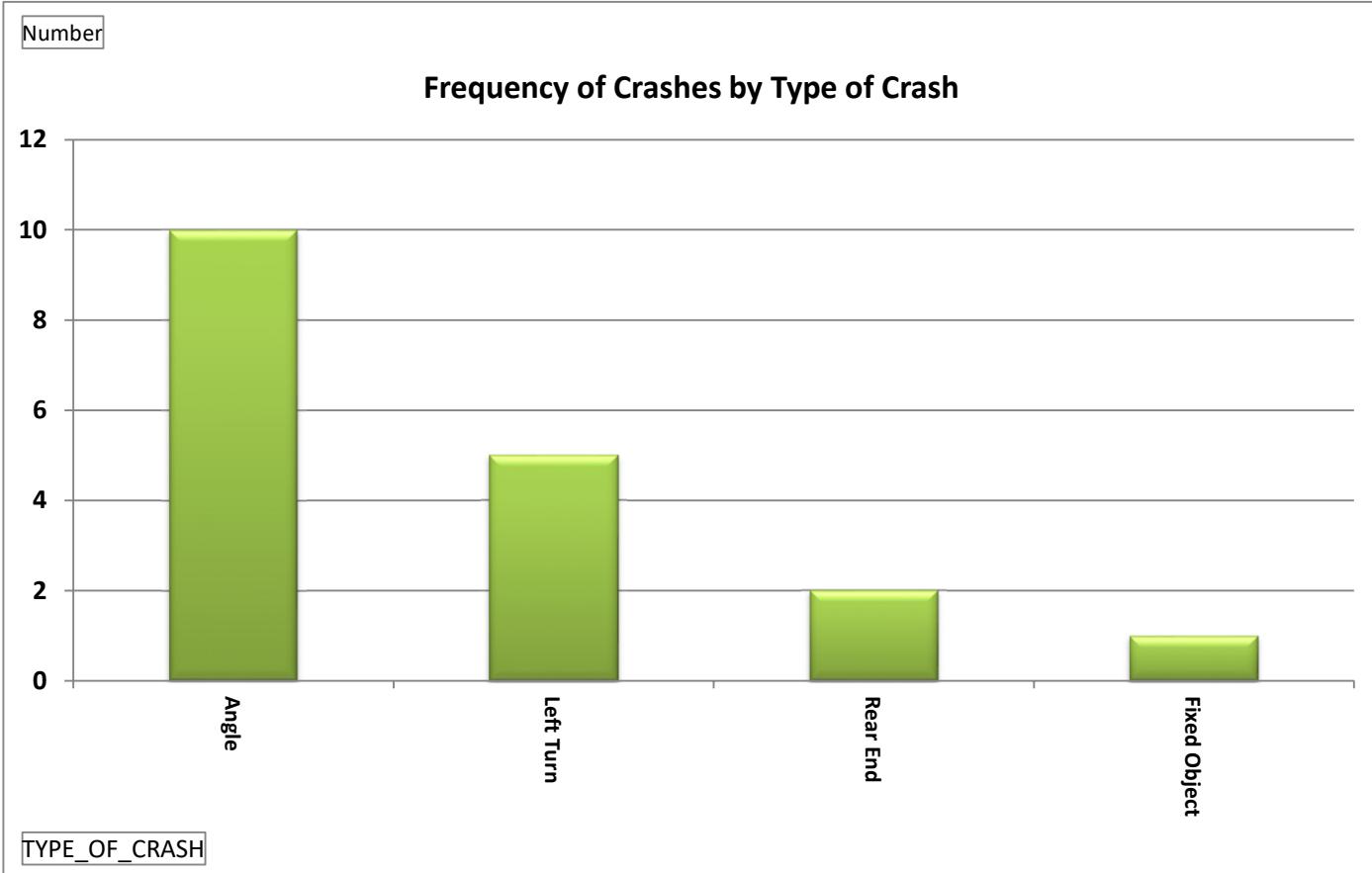


Number

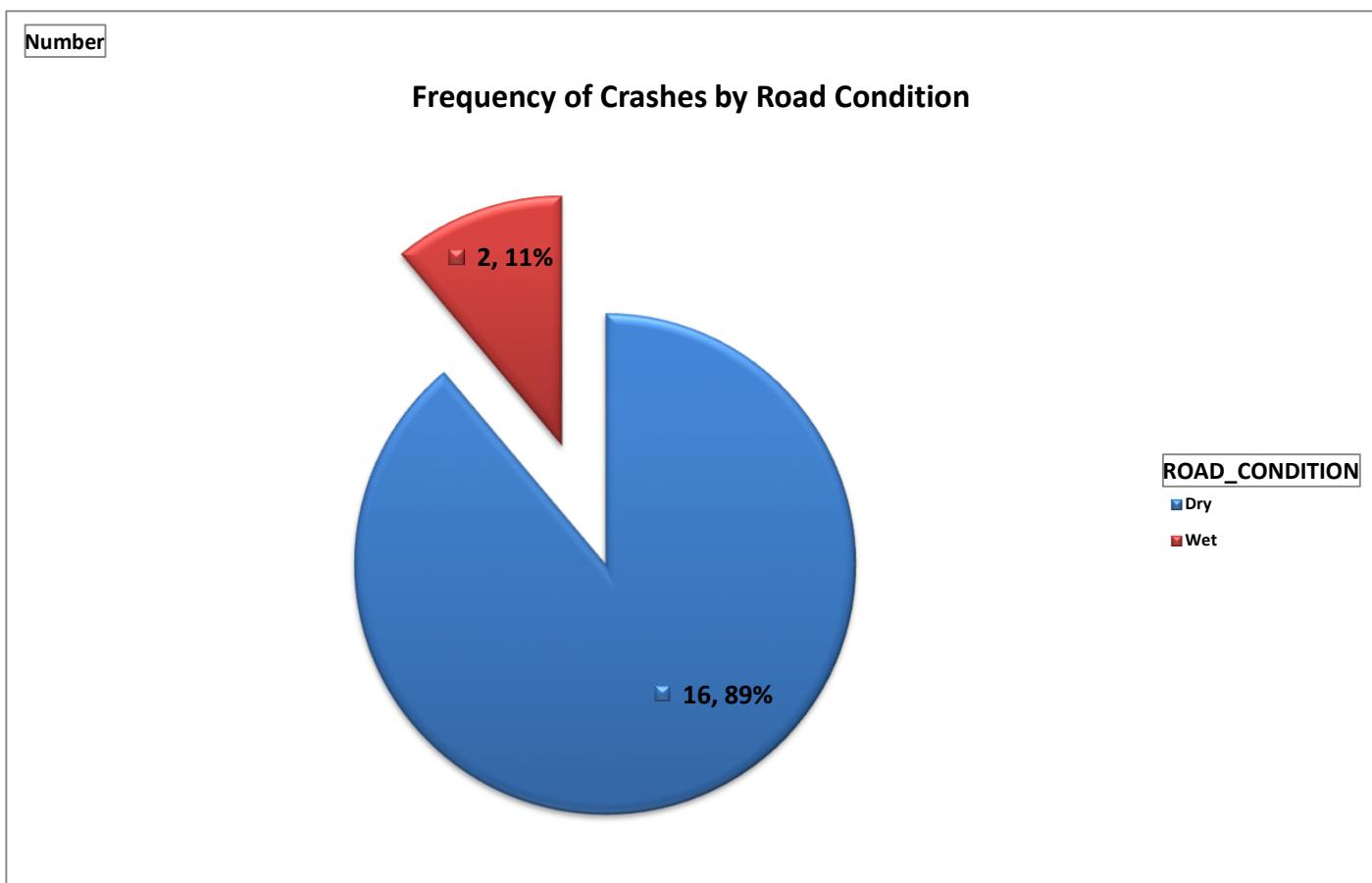
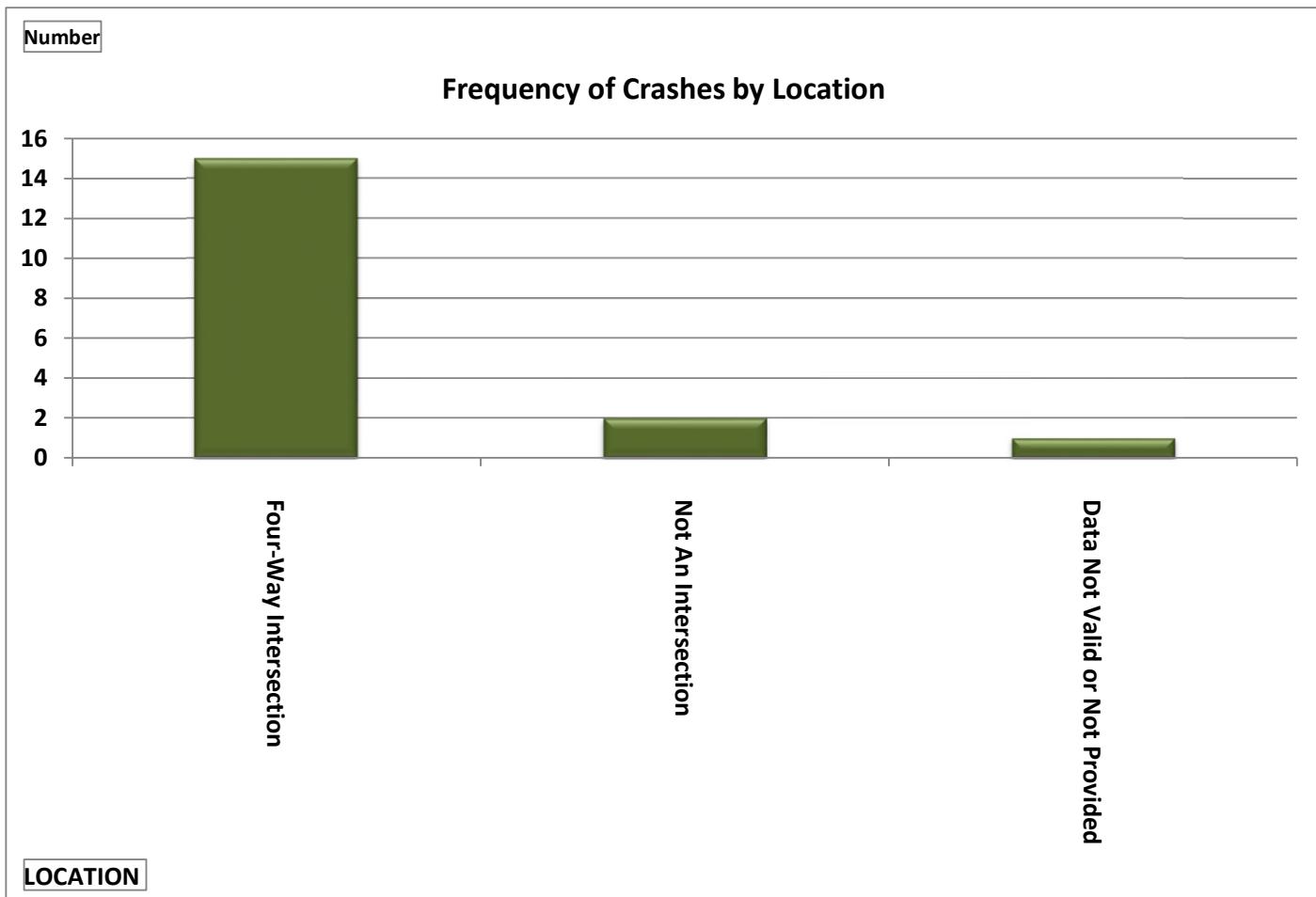
Frequency of Crashes by Month



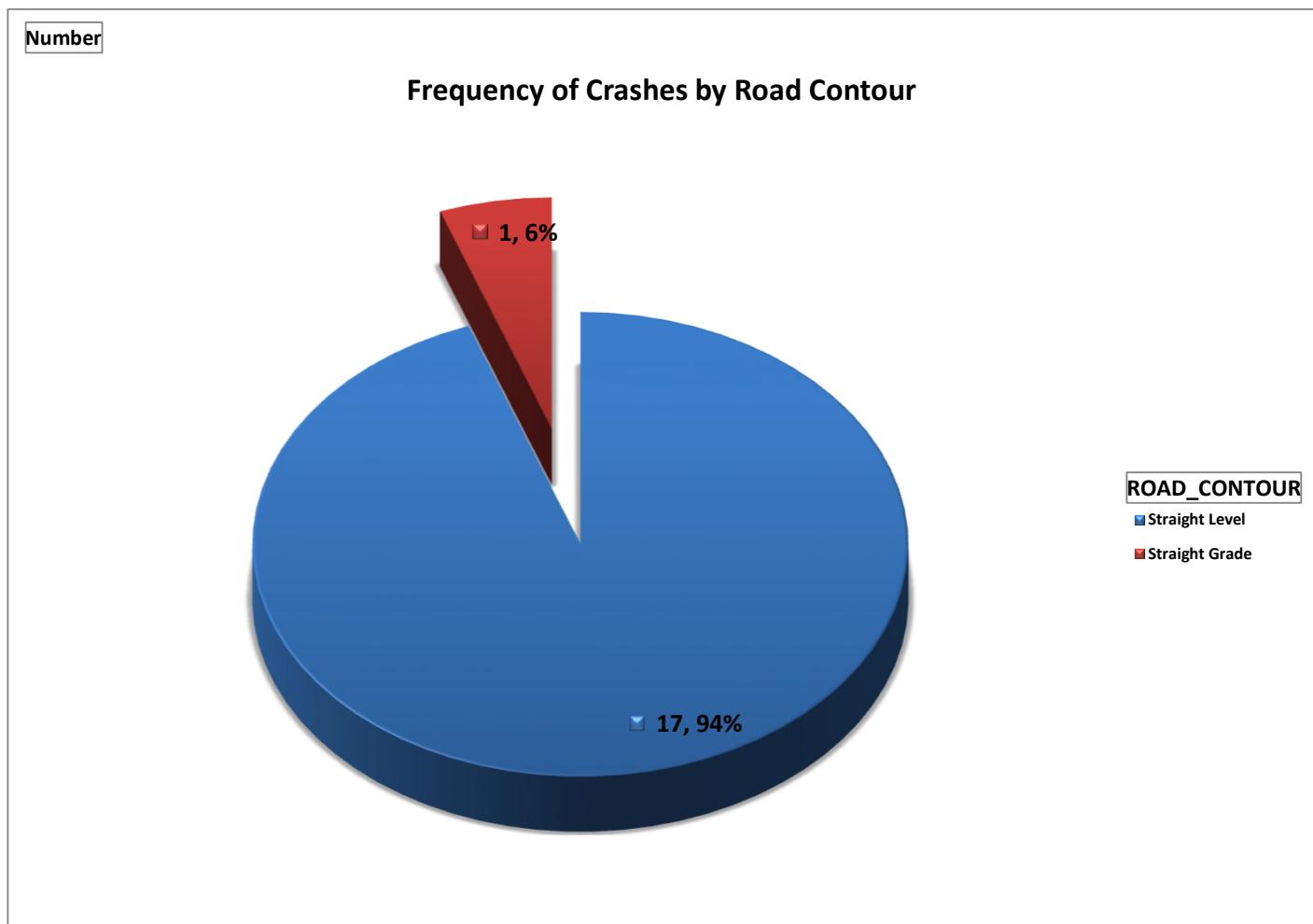
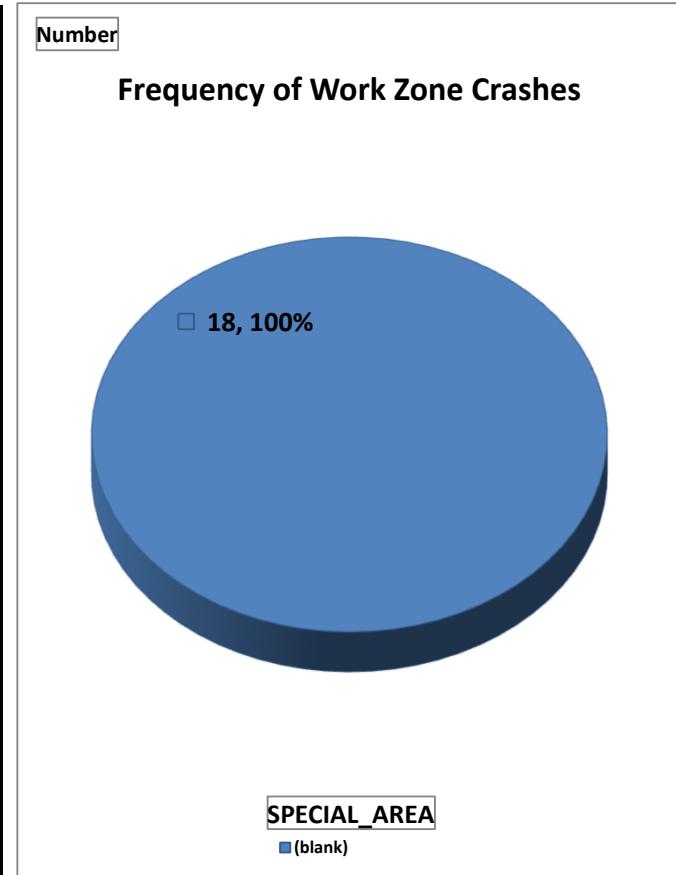
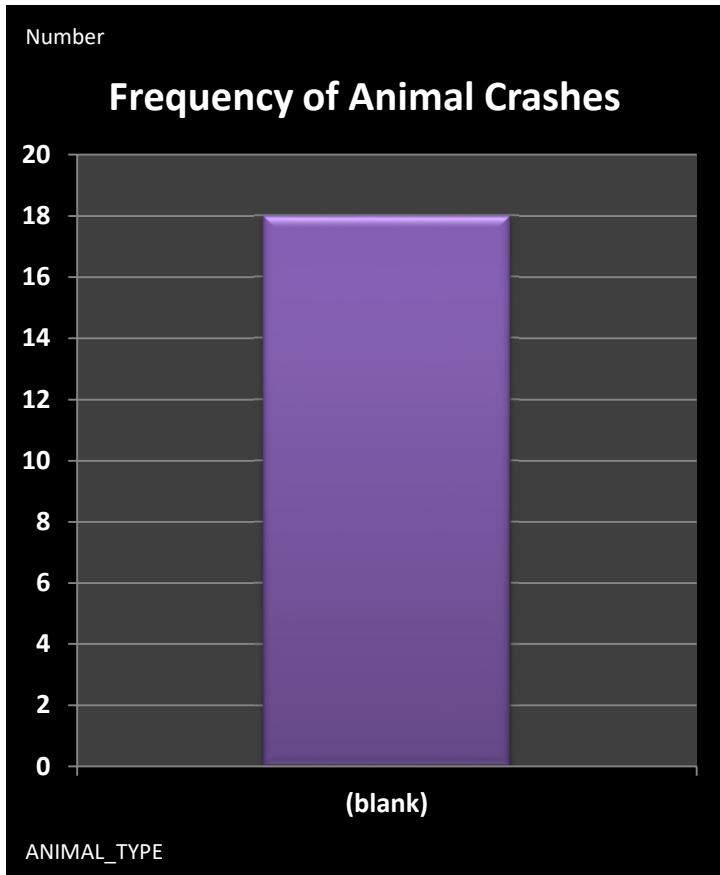
US 42 at Middletown Road



US 42 at Middletown Road

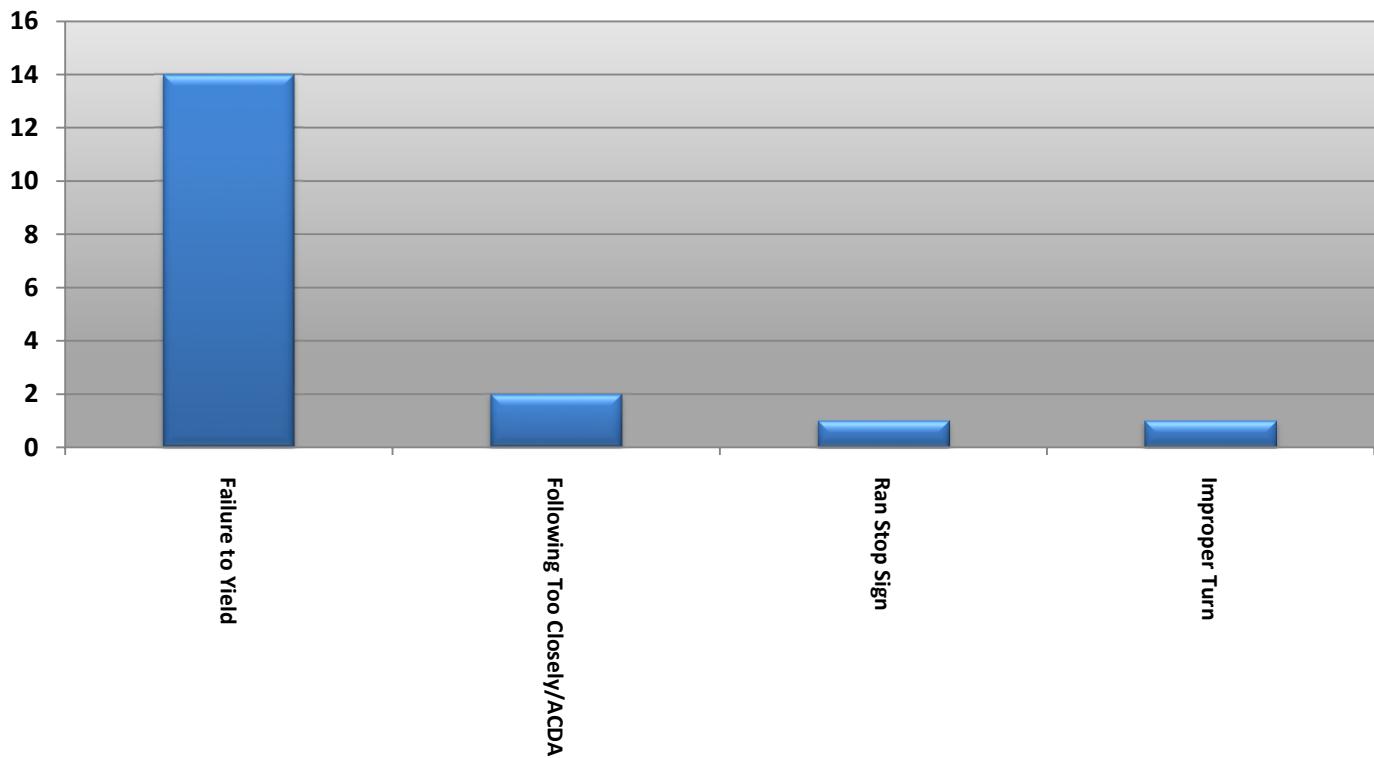


US 42 at Middletown Road



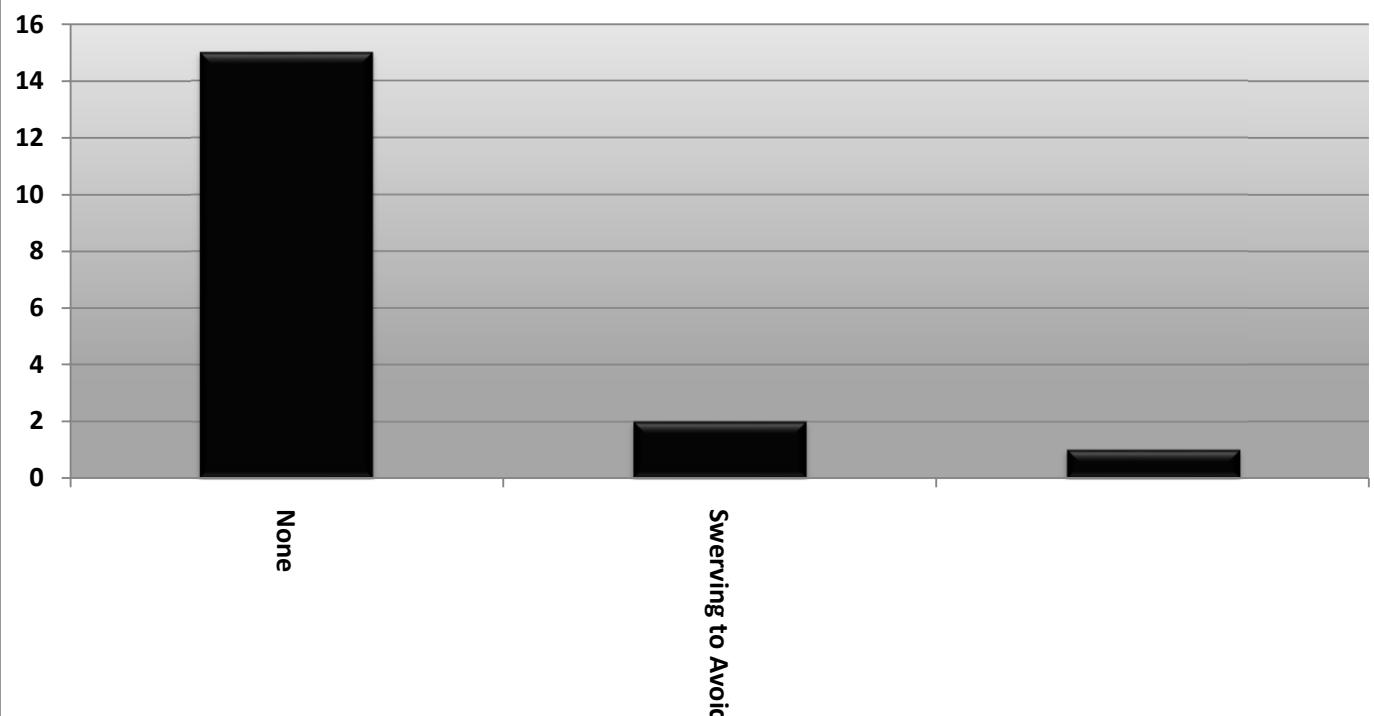


Frequency of Crashes by Contributing Factor 1



Number

Frequency of Crashes by Contributing Factor 2



Number

Frequency of Crashes by Action 1

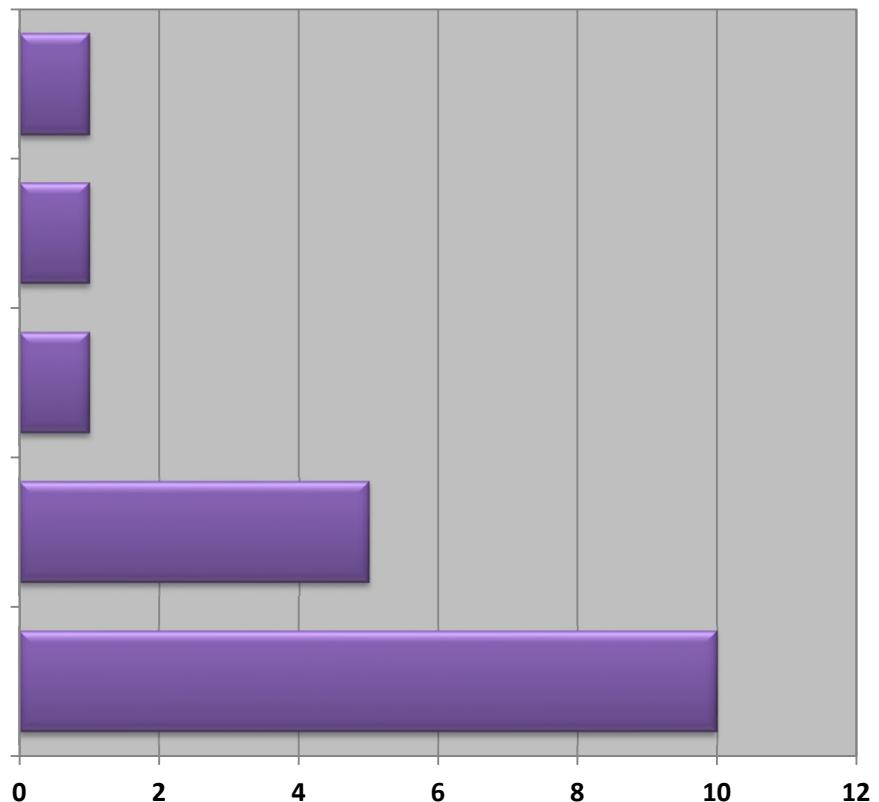
Entering Traffic Lane

Making Right Turn

ACTION1 Slowing or Stopped In Traffic

Making Left Turn

Straight Ahead

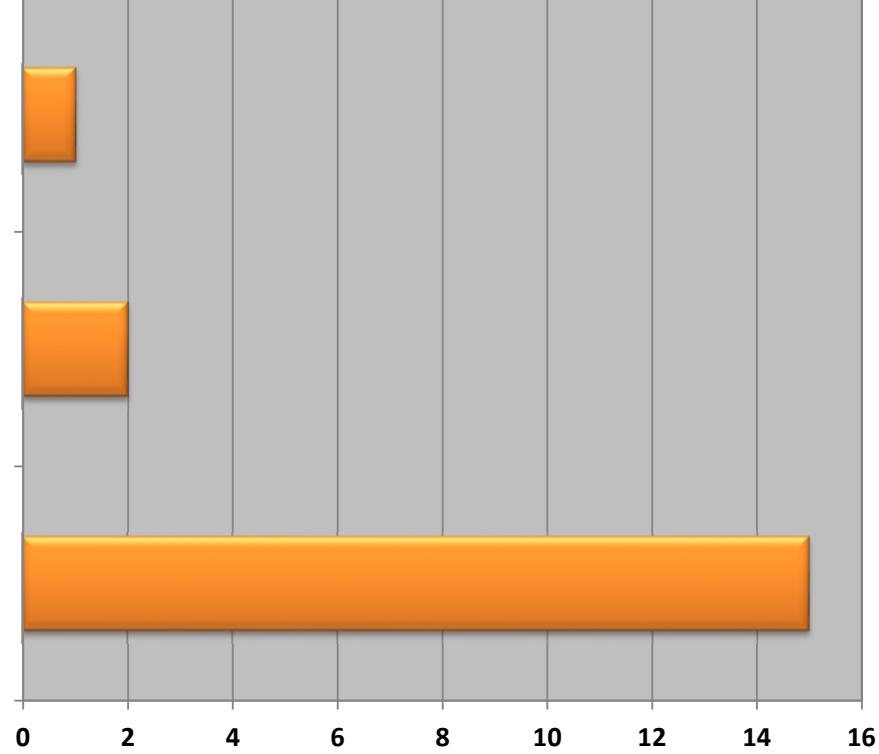


Number

Frequency of Crashes by Action 2

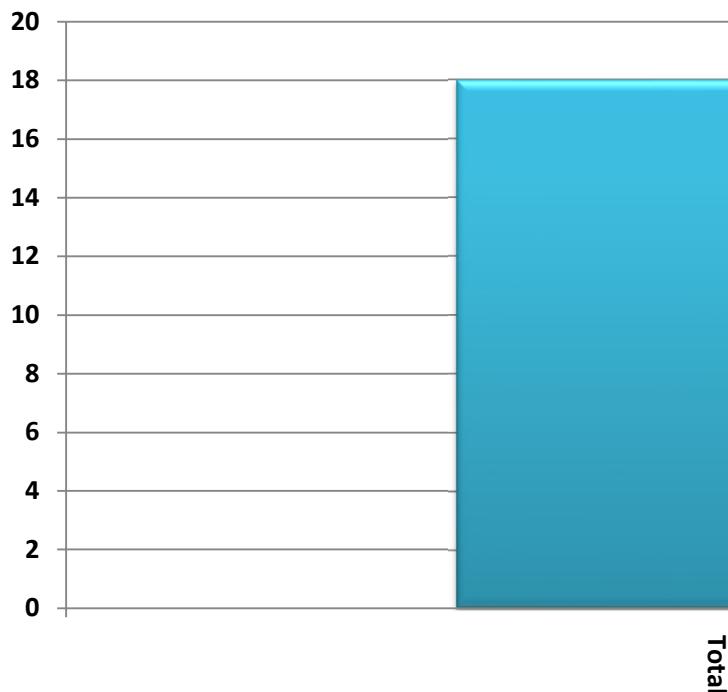
ACTION2 Slowing or Stopped In Traffic

Straight Ahead



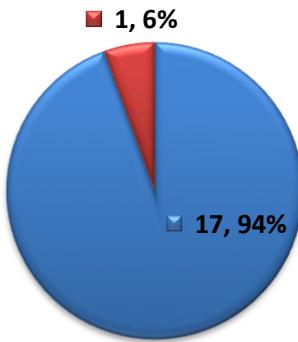
Number

Frequency of Crashes by Object Struck 1



Number

Driver 1 Alcohol



DRIVER_ALCOHOL1
■ No
■ Yes

Number

Driver 2 Alcohol



DRIVER_ALCOHOL2
■ (blank)

Select Site Type	Int/Rur; 4-leg minor-rd STOP
------------------	------------------------------

Crash Severity	Site Average		Statewide Average
	Total (2019-2022)	Total (%)	Total (%)
Fatal Crash	0	0.00%	1.26%
Serious Injury Suspected Crash	2	11.11%	5.86%
Minor Injury Suspected Crash	6	33.33%	20.07%
Injury Possible Crash	1	5.56%	10.65%
Property-Damage-Only	9	50.00%	62.17%
Total	18		

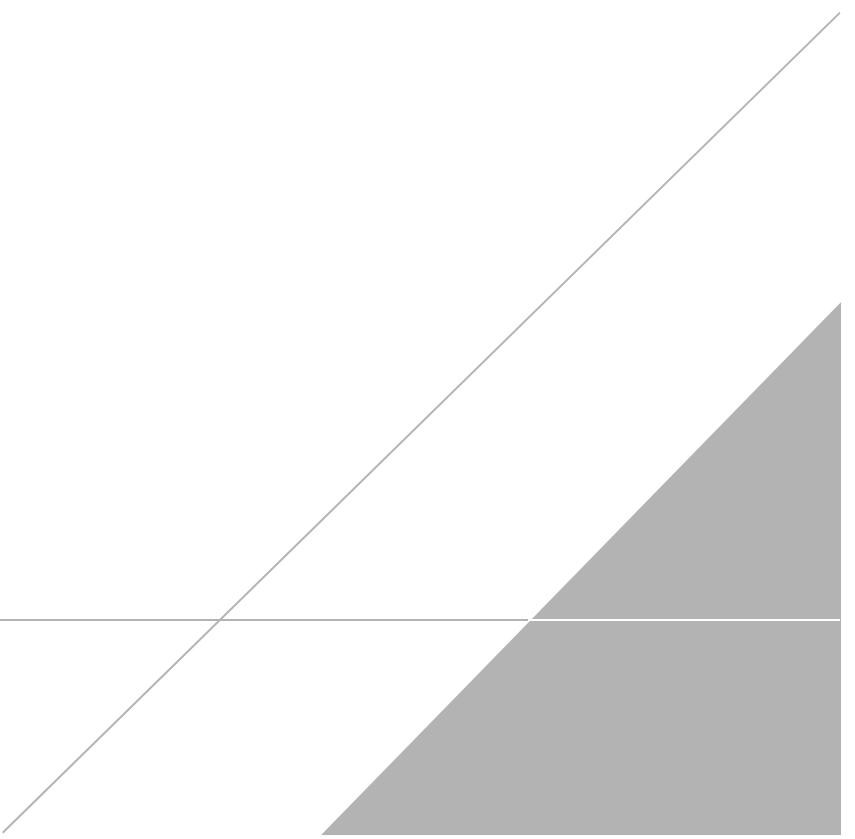
Crashes by Crash Type				
Crash Type	Total (%)		Fatal & All Injury (%)	
	Site Average	Statewide Average	Site Average	Statewide Average
Unknown	-0.01%	0.30%	-0.01%	0.10%
Head On	0.00%	1.71%	0.00%	2.19%
Rear End	11.11%	10.56%	11.11%	9.81%
Backing	0.00%	2.89%	0.00%	0.58%
Sideswipe - Meeting	0.00%	0.07%	0.00%	0.07%
Sideswipe - Passing	0.00%	7.19%	0.00%	6.31%
Angle	55.56%	38.55%	55.56%	57.45%
Parked Vehicle	0.00%	1.33%	0.00%	0.63%
Pedestrian	0.00%	0.25%	0.00%	0.66%
Animal	0.00%	11.89%	0.00%	1.13%
Train	0.00%	0.03%	0.00%	0.01%
Pedalcycles	0.00%	0.22%	0.00%	0.53%
Other Non-Vehicle	0.00%	0.00%	0.00%	0.00%
Fixed Object	5.56%	15.70%	5.56%	11.26%
Other Object	0.00%	0.39%	0.00%	0.11%
Falling From Or In Vehicle	0.00%	0.00%	0.00%	0.00%
Overturning	0.00%	1.18%	0.00%	2.00%
Other Non-Collision	0.00%	1.30%	0.00%	0.62%
Left Turn	27.78%	4.43%	27.78%	5.11%
Right Turn	0.00%	2.01%	0.00%	1.43%

Crashes by Light Conditions				
Light Conditions	Total (%)		Fatal & All Injury (%)	
	Site Average	Statewide Average	Site Average	Statewide Average
Daylight	88.24%	67.98%	88.24%	76.65%
Dawn/Dusk	0.00%	0.00%	0.00%	0.00%
Dark - Lighted Roadway	0.00%	3.65%	0.00%	2.92%
Dark - Roadway Not Lighted	11.76%	21.83%	11.76%	15.16%
Dark - Unknown Roadway Lighting	0.00%	0.36%	0.00%	0.19%
Other / Unknown	0.00%	6.18%	0.00%	5.08%

Crashes by Road Conditions				
Road Conditions	Total (%)		Fatal & All Injury (%)	
	Site Average	Statewide Average	Site Average	Statewide Average
Dry	84.21%	77.76%	84.21%	80.80%
Wet	10.53%	16.48%	10.53%	15.69%
Snow	0.00%	3.77%	0.00%	2.28%
Ice	0.00%	1.44%	0.00%	0.92%
Sand, Mud, Dirt, Oil, Gravel	0.00%	0.09%	0.00%	0.08%
Water (Standing, Moving)	0.00%	0.05%	0.00%	0.02%
Slush	0.00%	0.19%	0.00%	0.16%
Other / Unknown	5.26%	0.22%	5.26%	0.05%

APPENDIX B

Crash Analysis Module Tool Results - US 42 at Township Line Road



US 42 at Township Line Road

	Number
Total	16

CRASH_SEVERITY	Number	%
Injury Crash	5	31.3%
Property Damage Crash	11	68.8%
Grand Total	16	100.0%

TRAFFIC_CRASH_YEAR	Number	%
2019	2	12.5%
2020	7	43.8%
2021	6	37.5%
2022	1	6.3%
Grand Total	16	100.0%

DAY_OF_WEEK	Number	%
(4) Wednesday	4	25.0%
(6) Friday	4	25.0%
(1) Sunday	3	18.8%
(3) Tuesday	2	12.5%
(2) Monday	2	12.5%
(5) Thursday	1	6.3%
Grand Total	16	100.0%

HOUR_OF_DAY	Number	%
7	2	12.5%
8	1	6.3%
9	2	12.5%
10	1	6.3%
11	1	6.3%
13	1	6.3%
14	3	18.8%
15	1	6.3%
16	1	6.3%
17	1	6.3%
20	1	6.3%
21	1	6.3%
Grand Total	16	100.0%

TYPE_OF_CRASH	Number	%
Rear End	6	37.5%
Animal	3	18.8%
Angle	3	18.8%
Other Non-Collision	2	12.5%
Fixed Object	2	12.5%
Grand Total	16	100.0%

US 42 at Township Line Road

WEATHER_CONDITION	Number	%
Clear	7	43.8%
Cloudy	6	37.5%
Rain	3	18.8%
Grand Total	16	100.0%

ROAD_CONDITION	Number	%
Dry	12	75.0%
Wet	4	25.0%
Grand Total	16	100.0%

LIGHT_CONDITION	Number	%
Daylight	12	75.0%
Dawn/Dusk	3	18.8%
Dark - Roadway Not Lighted	1	6.3%
Grand Total	16	100.0%

NUMBER_OF_VEHICLES	Number	%
1	6	37.5%
2	9	56.3%
3	1	6.3%
Grand Total	16	100.0%

LOCATION	Number	%
Not An Intersection	8	50.0%
T-Intersection	7	43.8%
Data Not Valid or Not Provided	1	6.3%
Grand Total	16	100.0%

CRASH_MONTH_NBR	Number	%
1	1	6.3%
3	3	18.8%
5	1	6.3%
7	3	18.8%
8	1	6.3%
9	2	12.5%
10	3	18.8%
11	1	6.3%
12	1	6.3%
Grand Total	16	100.0%

ROAD_CONTOUR	Number	%
Straight Level	14	87.5%
Straight Grade	2	12.5%
Grand Total	16	100.0%

SPECIAL_AREA	Number	%
(blank)	16	100.0%
Grand Total	16	100.0%

ANIMAL_TYPE	Number	%
(blank)	16	100.0%
Grand Total	16	100.0%

US 42 at Township Line Road

ACTION1	Number	%
Straight Ahead	10	62.5%
Making Left Turn	4	25.0%
Making Right Turn	1	6.3%
Entering Traffic Lane	1	6.3%
Grand Total	16	100.0%

CONTRIBUTING_FACTOR1	Number	%
Following Too Closely/ACDA	6	37.5%
None	3	18.8%
Drove off Road	3	18.8%
Other Improper Action	1	6.3%
Improper Start From a Parked Position	1	6.3%
Ran Stop Sign	1	6.3%
Failure to Yield	1	6.3%
Grand Total	16	100.0%

	Number	%
Total	16	100.0%

TRAFFIC_CONTROL1	Number	%
No Control	11	68.8%
Stop Sign	5	31.3%
Grand Total	16	100.0%

DRIVER_ALCOHOL1	Number	%
No	16	100.0%
Grand Total	16	100.0%

DRIVER_DRUGS1	Number	%
No	16	100.0%
Grand Total	16	100.0%

US 42 at Township Line Road

DIRECTION_FROM1	Number	%
North	6	37.5%
Northeast	5	31.3%
Southwest	5	31.3%
Grand Total	16	100.0%

DIRECTION_TO1	Number	%
Southwest	6	37.5%
Northeast	6	37.5%
South	2	12.5%
North	1	6.3%
East	1	6.3%
Grand Total	16	100.0%

POSTED_SPEED1	Number	%
55	15	93.8%
50	1	6.3%
Grand Total	16	100.0%

ESTIMATED_SPEED1	Number	%
50	5	31.3%
45	2	12.5%
2	2	12.5%
35	2	12.5%
60	1	6.3%
40	1	6.3%
20	1	6.3%
10	1	6.3%
5	1	6.3%
Grand Total	16	100.0%

VEHICLE_TYPE1	Number	%
Pick up	4	25.0%
Sport Utility Vehicle	4	25.0%
Passenger Car	4	25.0%
Semi-Tractor	2	12.5%
Cargo Van	1	6.3%
Motorcycle 2 Wheeled	1	6.3%
Grand Total	16	100.0%

VEHICLE_TYPE2	Number	%
Sport Utility Vehicle	6	37.5%
Passenger Car	5	31.3%
Pick up	2	12.5%
Passenger Van (minivan)	1	6.3%
Grand Total	16	100.0%

US 42 at Township Line Road

ACTION2	Number	%
Slowing or Stopped In Traffic	6	37.5%
Straight Ahead	4	25.0%
Making Left Turn	3	18.8%
Making Right Turn	2	12.5%
Grand Total	16	100.0%

CONTRIBUTING_FACTOR2	Number	%
None	9	56.3%
Failure to Yield	6	37.5%
Grand Total	16	100.0%

DIRECTION_FROM2	Number	%
Southwest	6	37.5%
North	4	25.0%
Northeast	3	18.8%
Grand Total	16	100.0%

DIRECTION_TO2	Number	%
Northeast	6	37.5%
Southwest	4	25.0%
North	3	18.8%
South	2	12.5%
Grand Total	16	100.0%

DRIVER_ALCOHOL2	Number	%
(blank)	16	100.0%
Grand Total	16	100.0%

DRIVER_DRUGS2	Number	%
(blank)	16	100.0%
Grand Total	16	100.0%

US 42 at Township Line Road

SEVERITY	CRASH_SEVERITY	
TRAFFIC_CRASH_YEAR	Property Damage Crash	Injury Crash
2019	2	0
2020	6	1
2021	3	3
2022	0	1
Grand Total	11	5

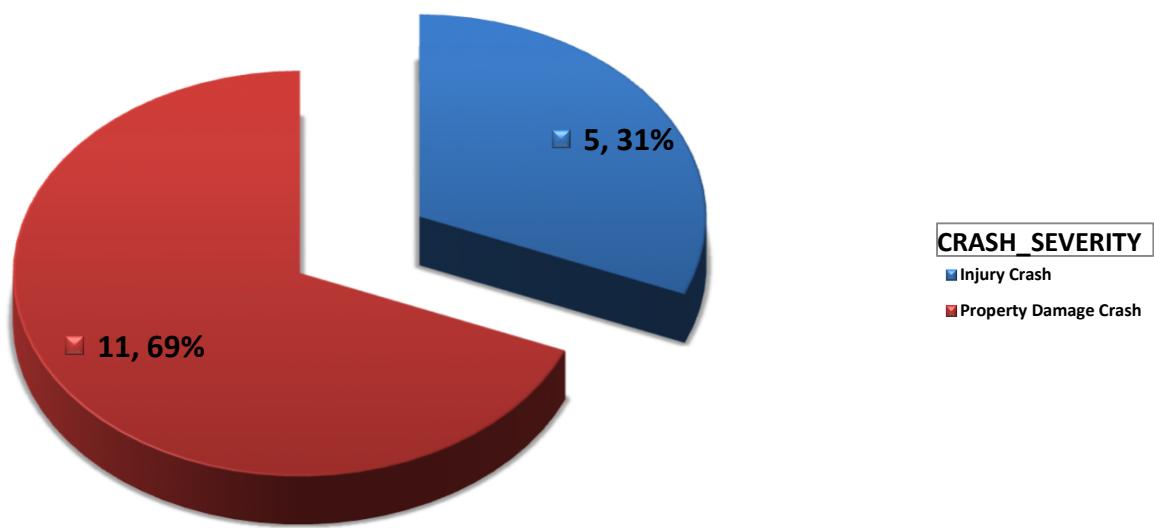
TRAFFIC_CRASH_YEAR	Fatalities	Incapacitating Injuries
2019	0	0
2020	0	0
2021	0	1
2022	0	0
Grand Total	0	1

TRAFFIC_CRASH_YEAR	INJ_TYPE2_SERIOUS_VISIBLE	INJ_TYPE3_MINOR_VISIBLE	INJ_TYPE4_NO_VISIBLE
2019	0	0	0
2020	0	1	0
2021	1	5	0
2022	0	3	0
Grand Total	1	9	0

US 42 at Township Line Road

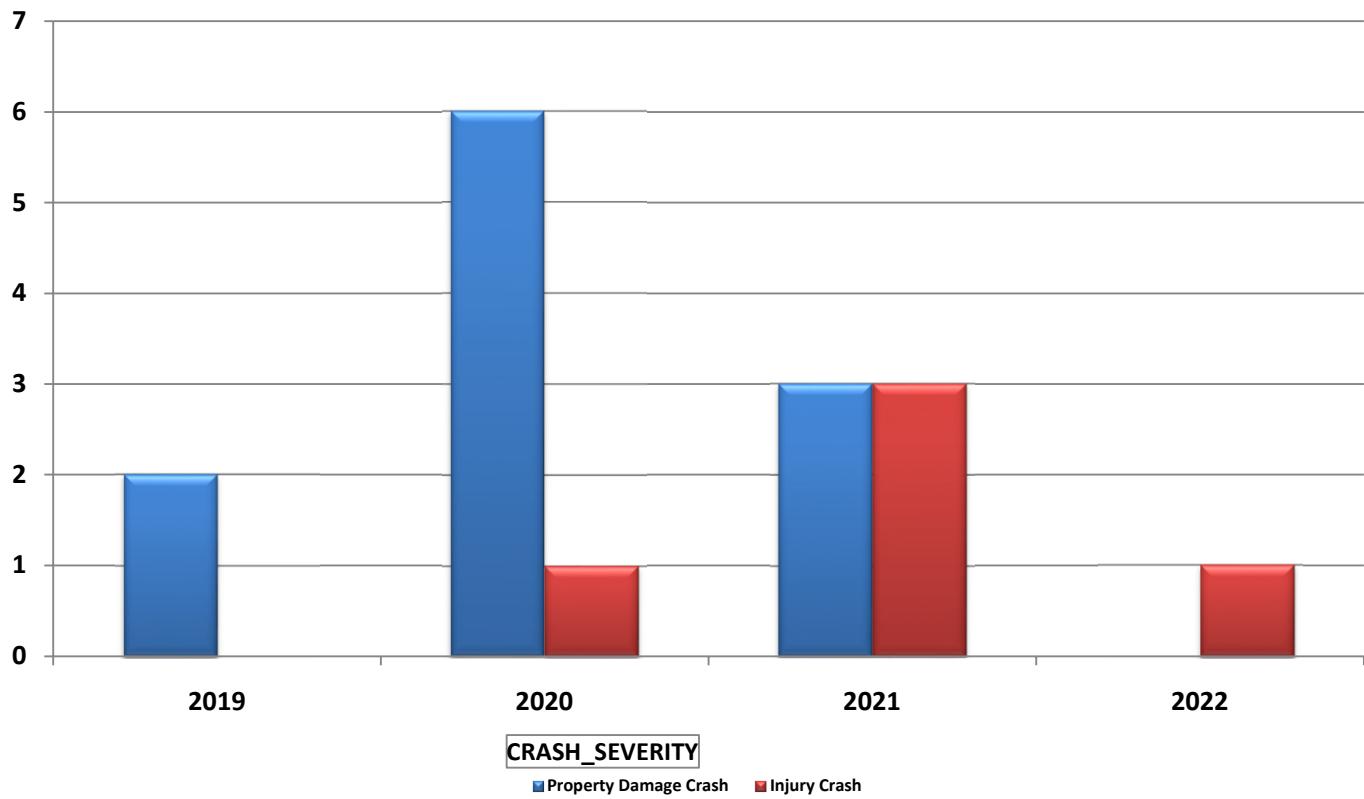
Number

Frequency of Crashes by Severity



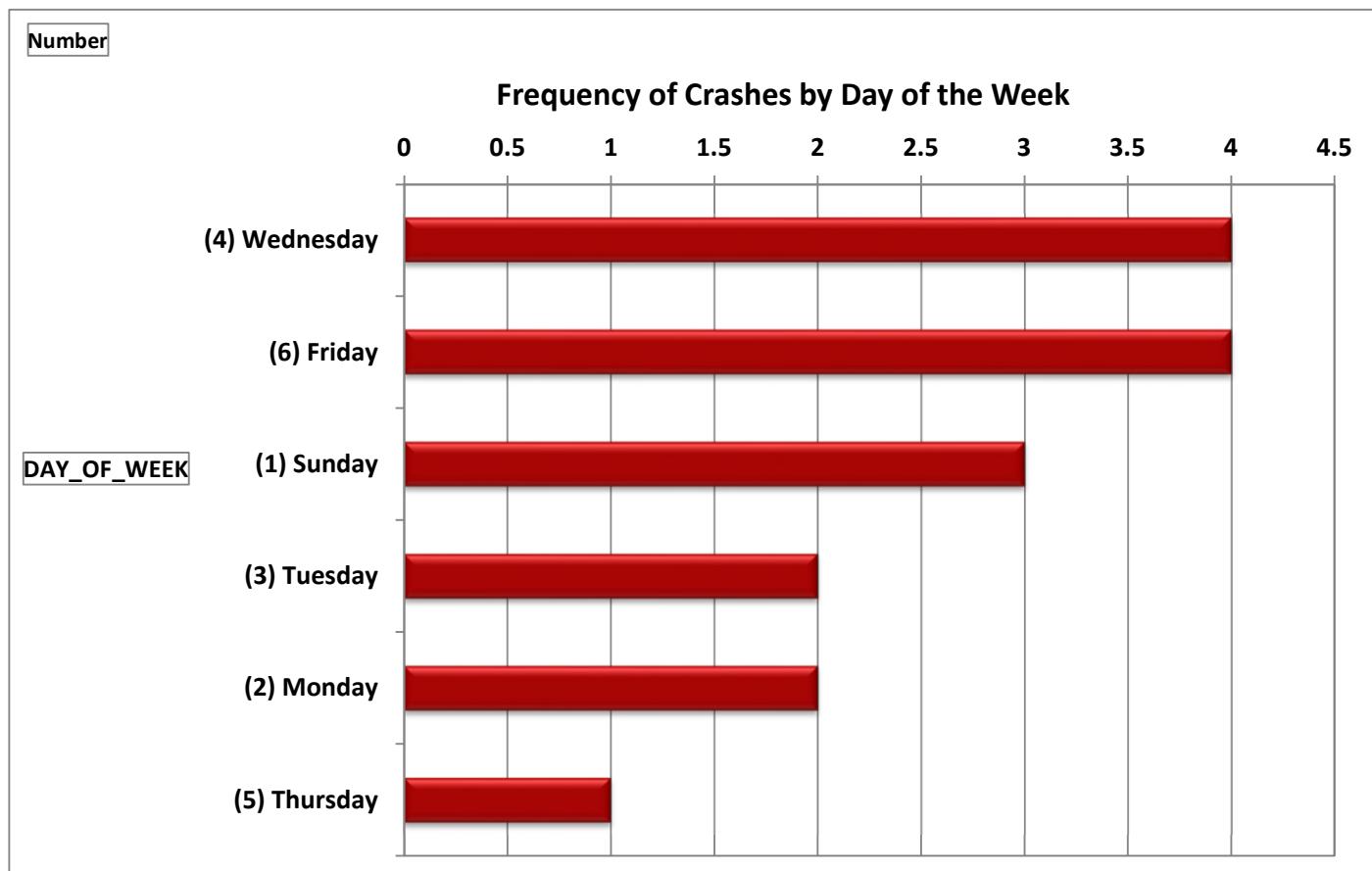
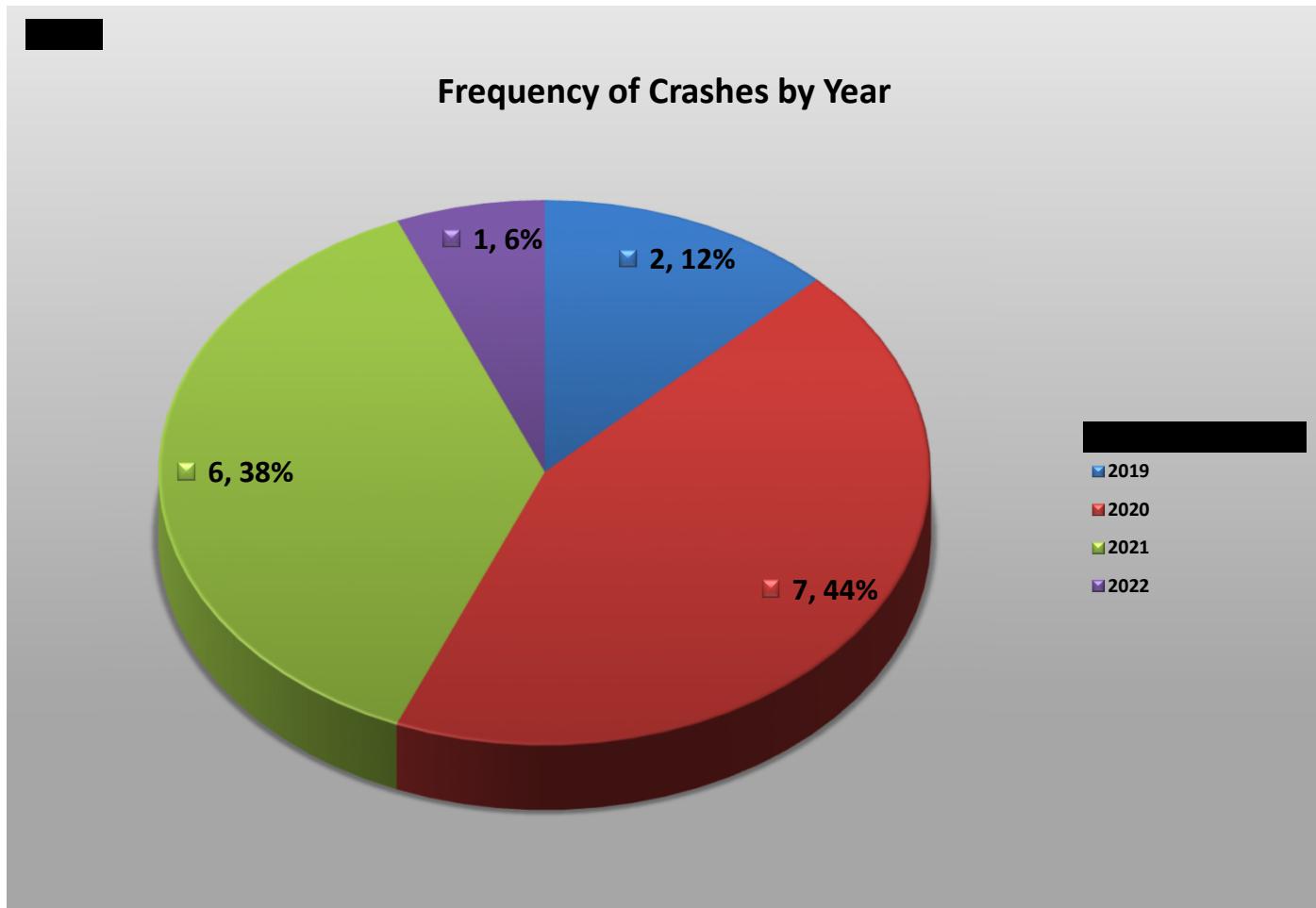
SEVERITY

Frequency of Crashes by Year and Severity



TRAFFIC_CRASH_YEAR

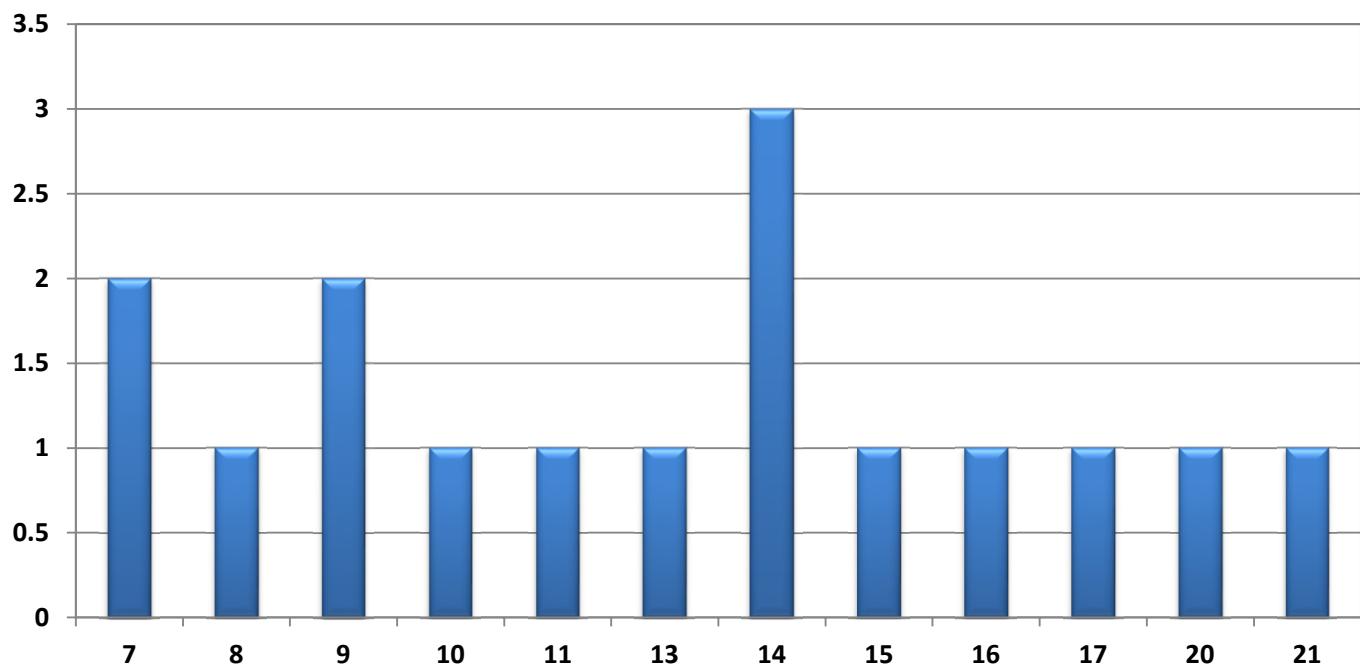
US 42 at Township Line Road



US 42 at Township Line Road

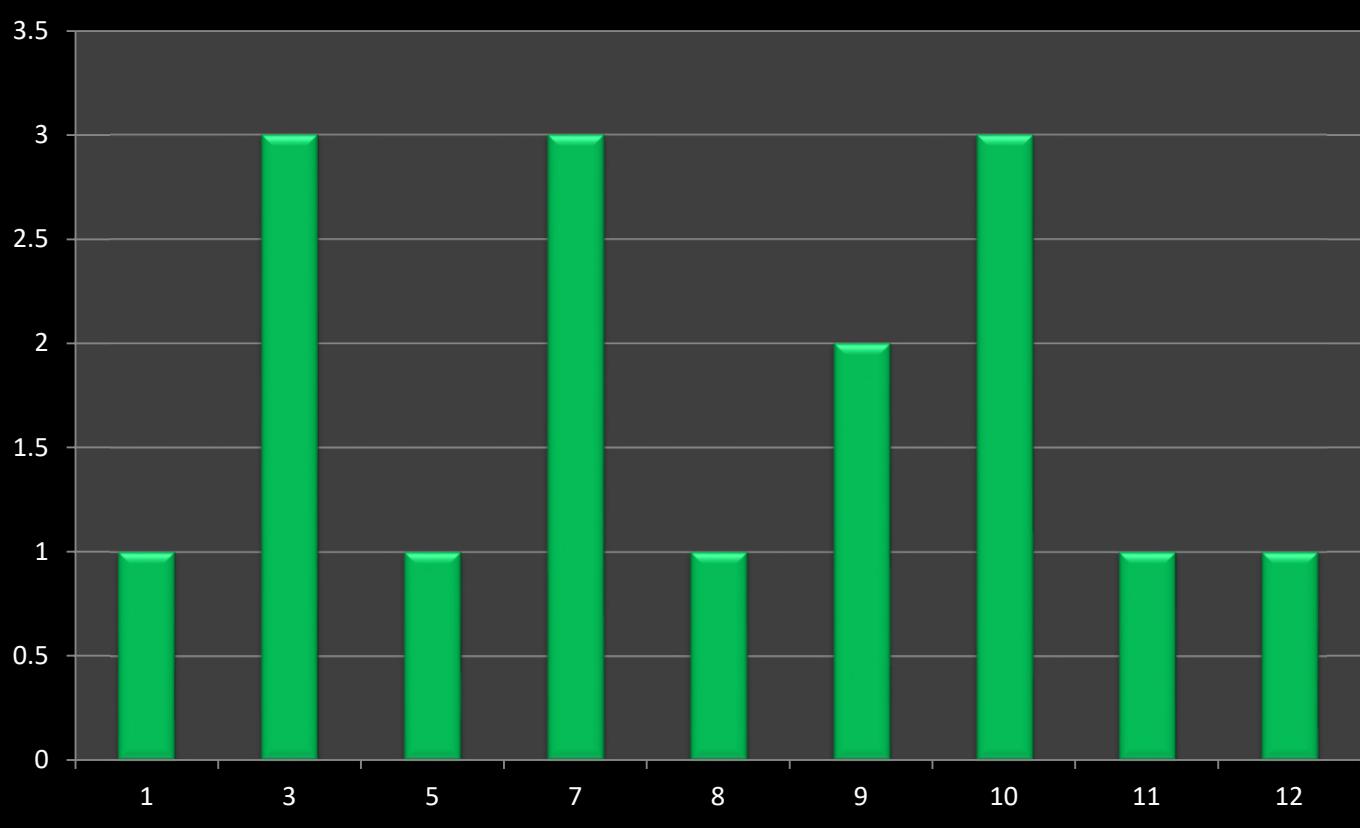


Frequency of Crashes by Hour



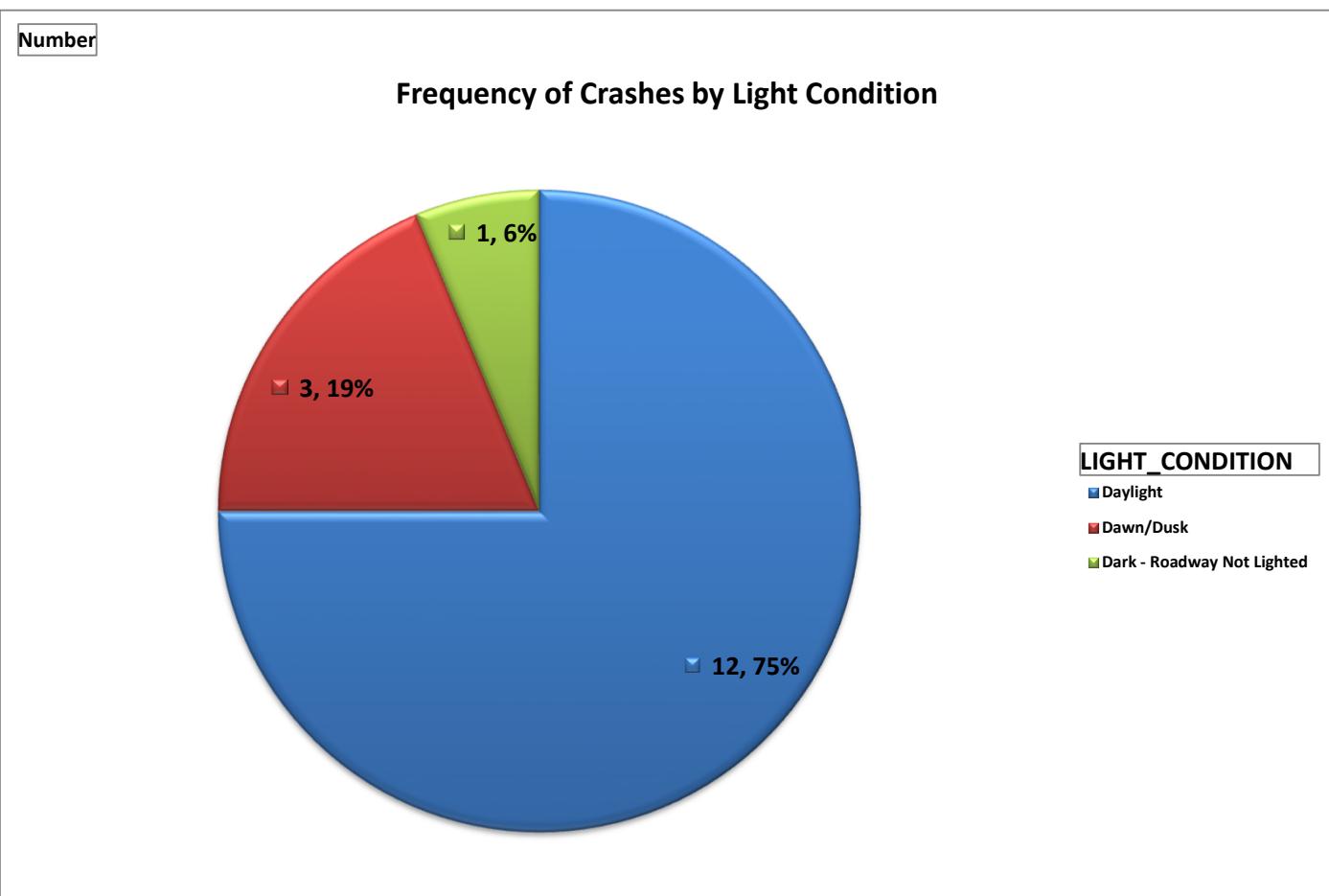
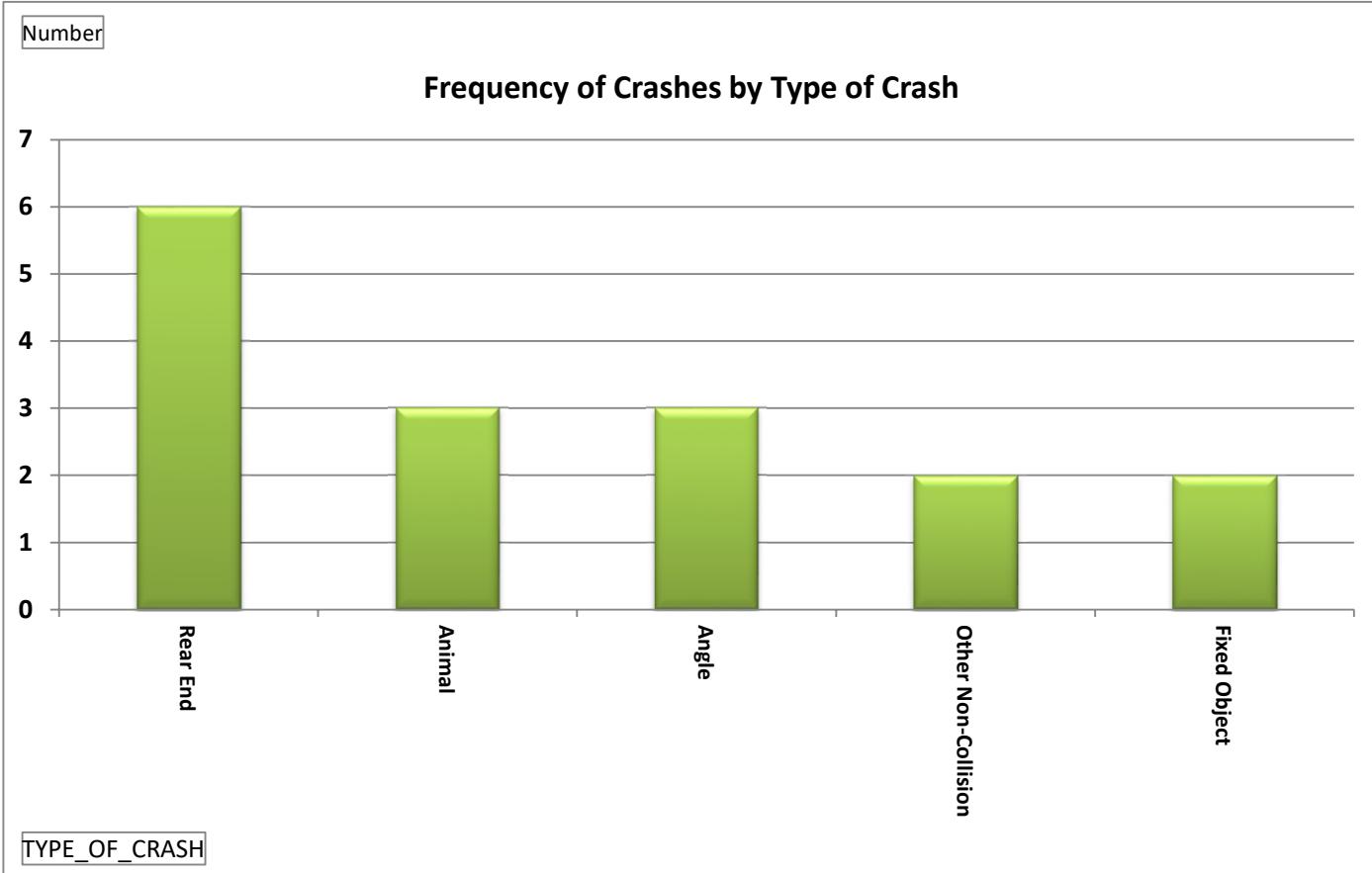
Number

Frequency of Crashes by Month

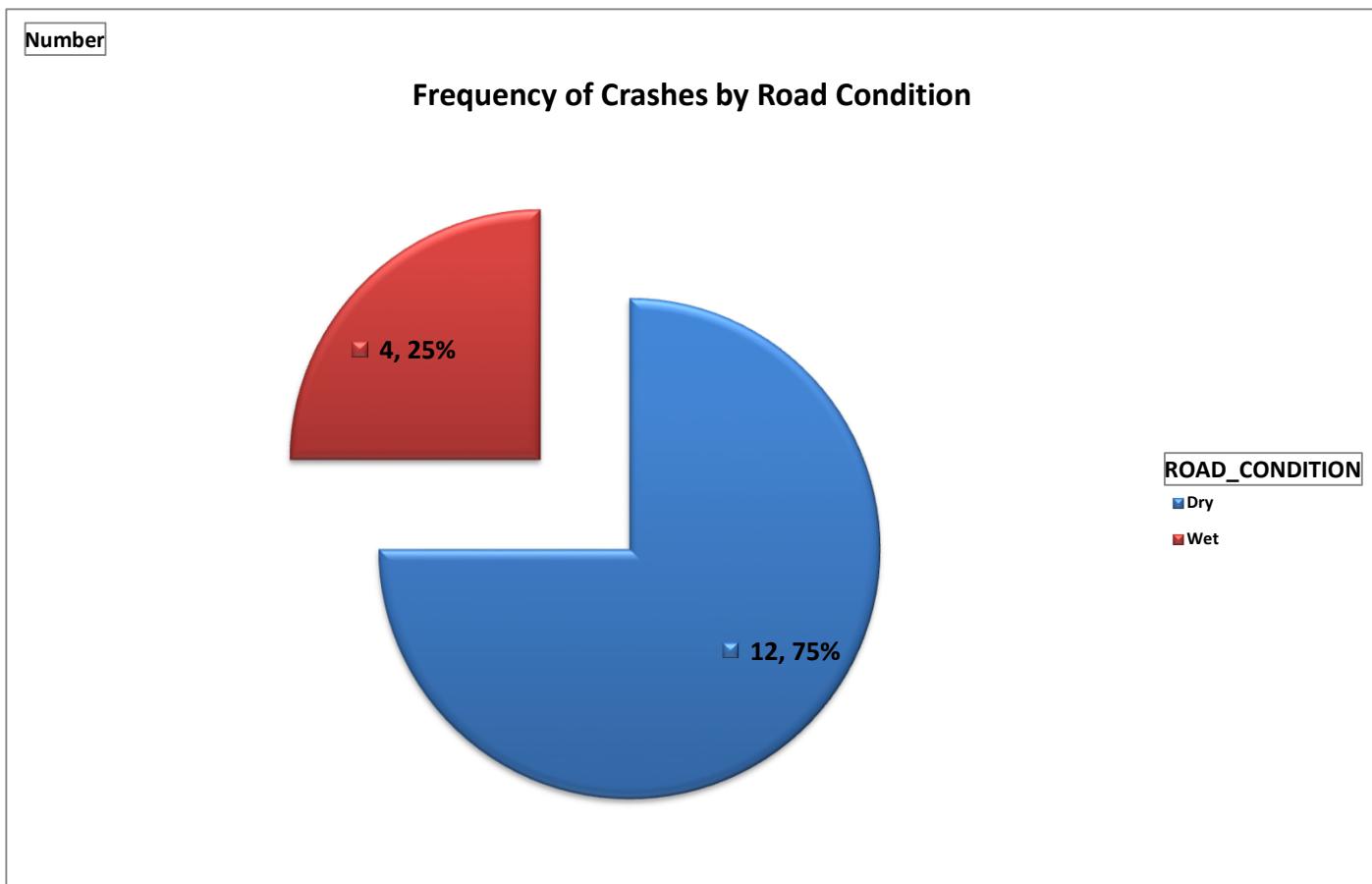
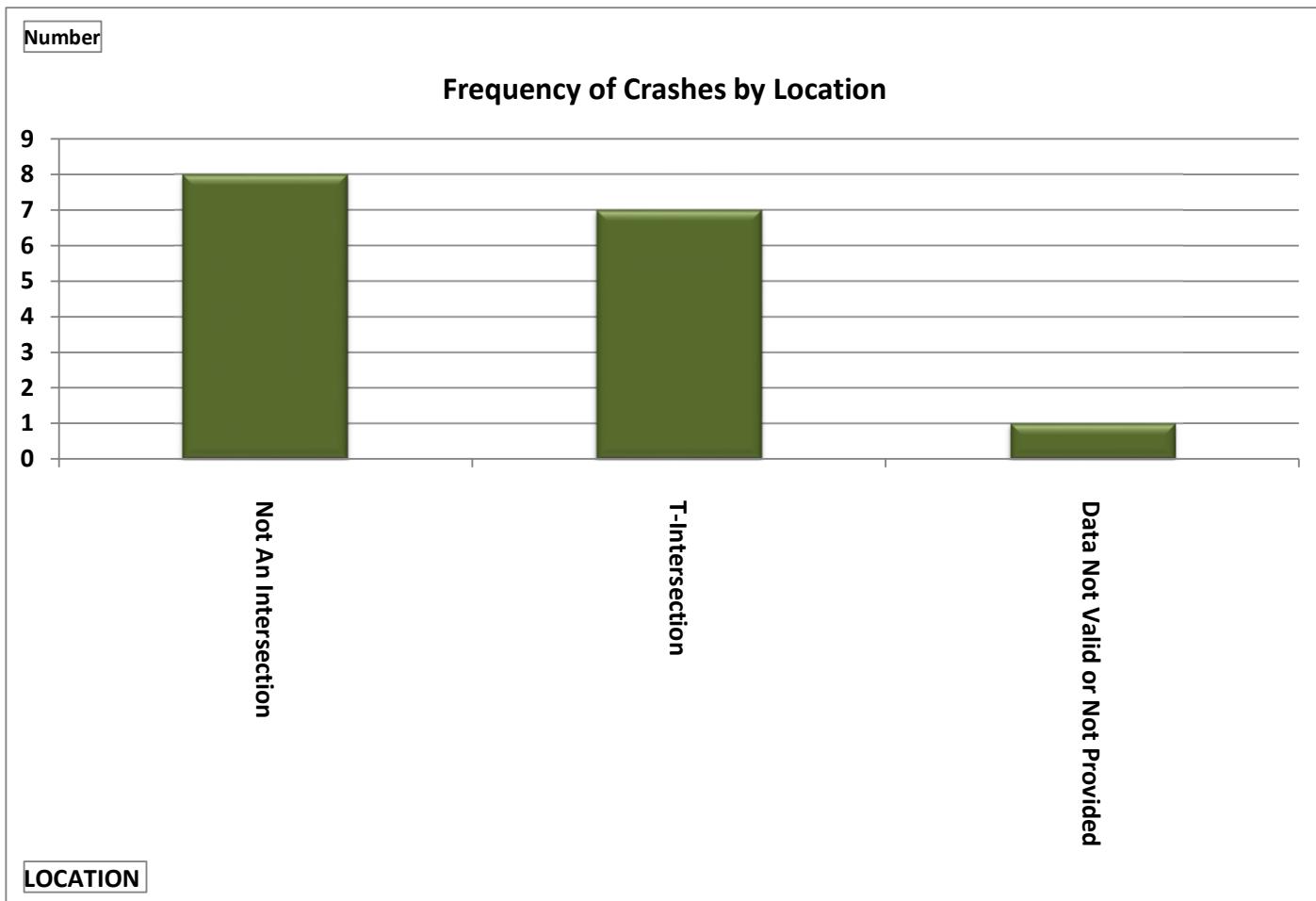


CRASH_MONTH_NBR

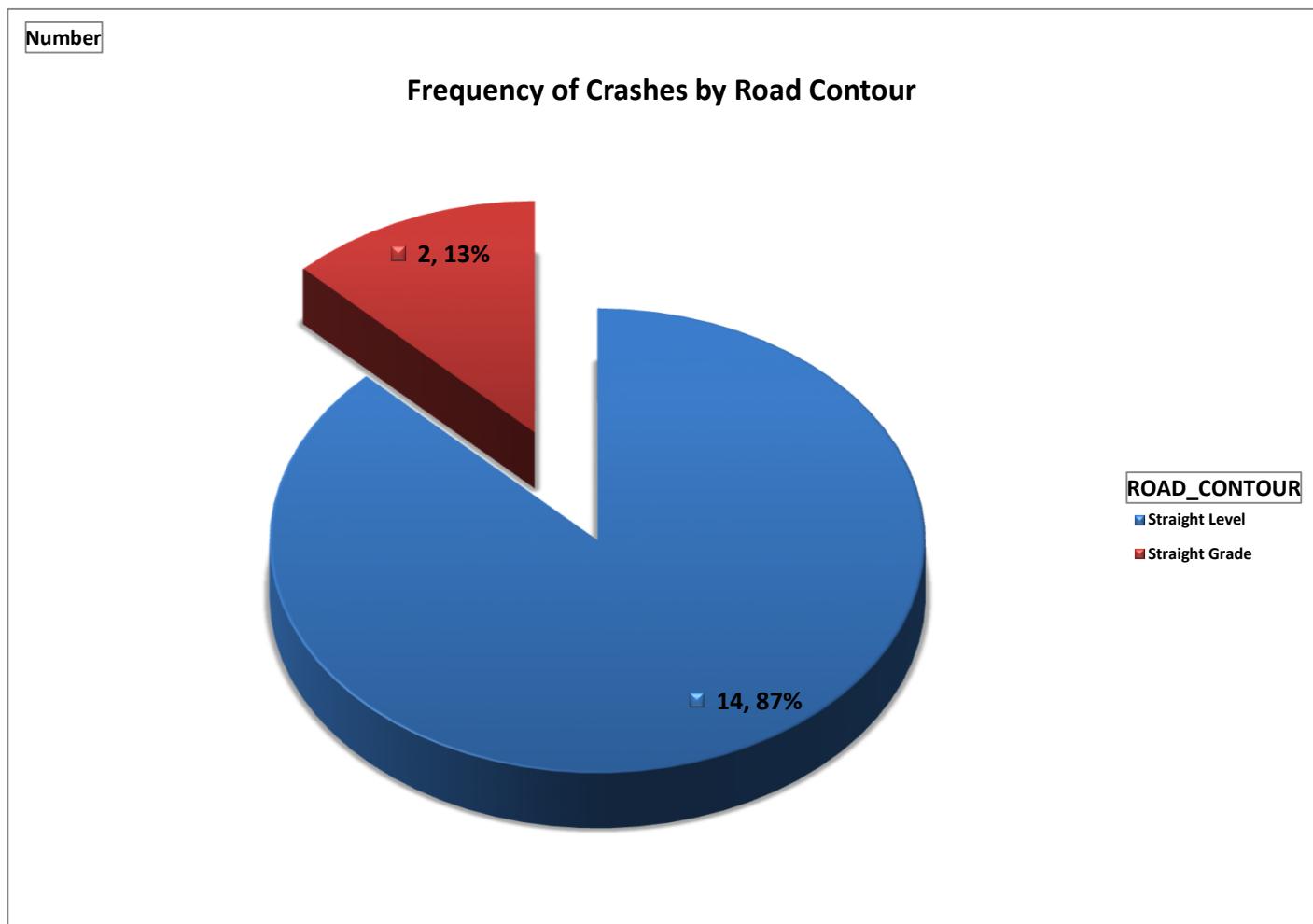
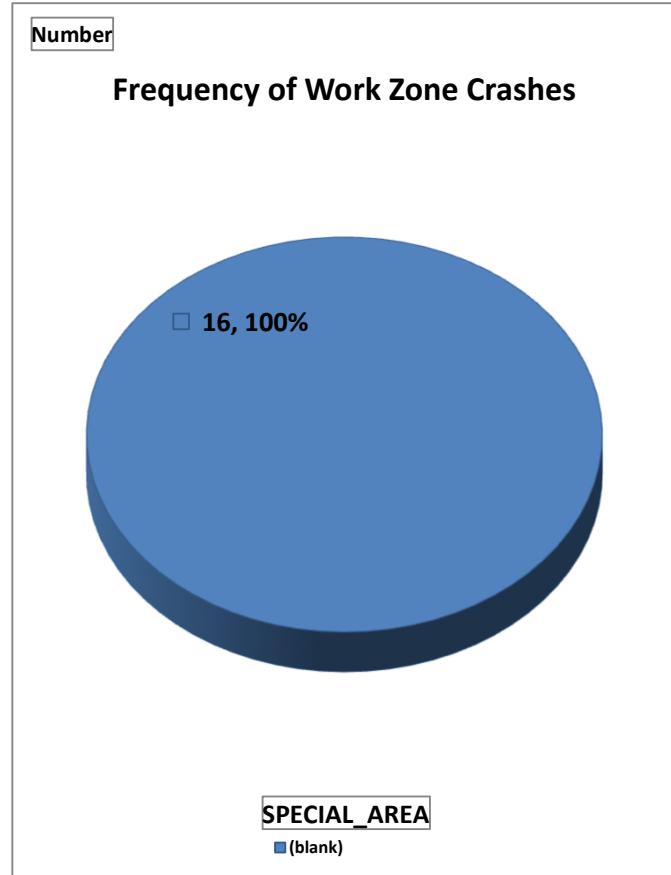
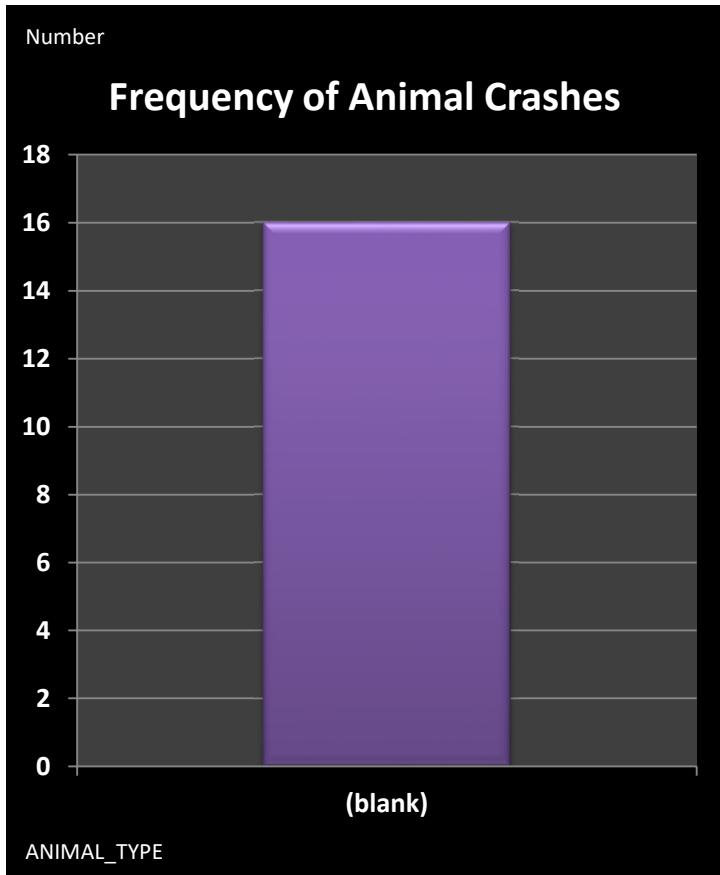
US 42 at Township Line Road



US 42 at Township Line Road



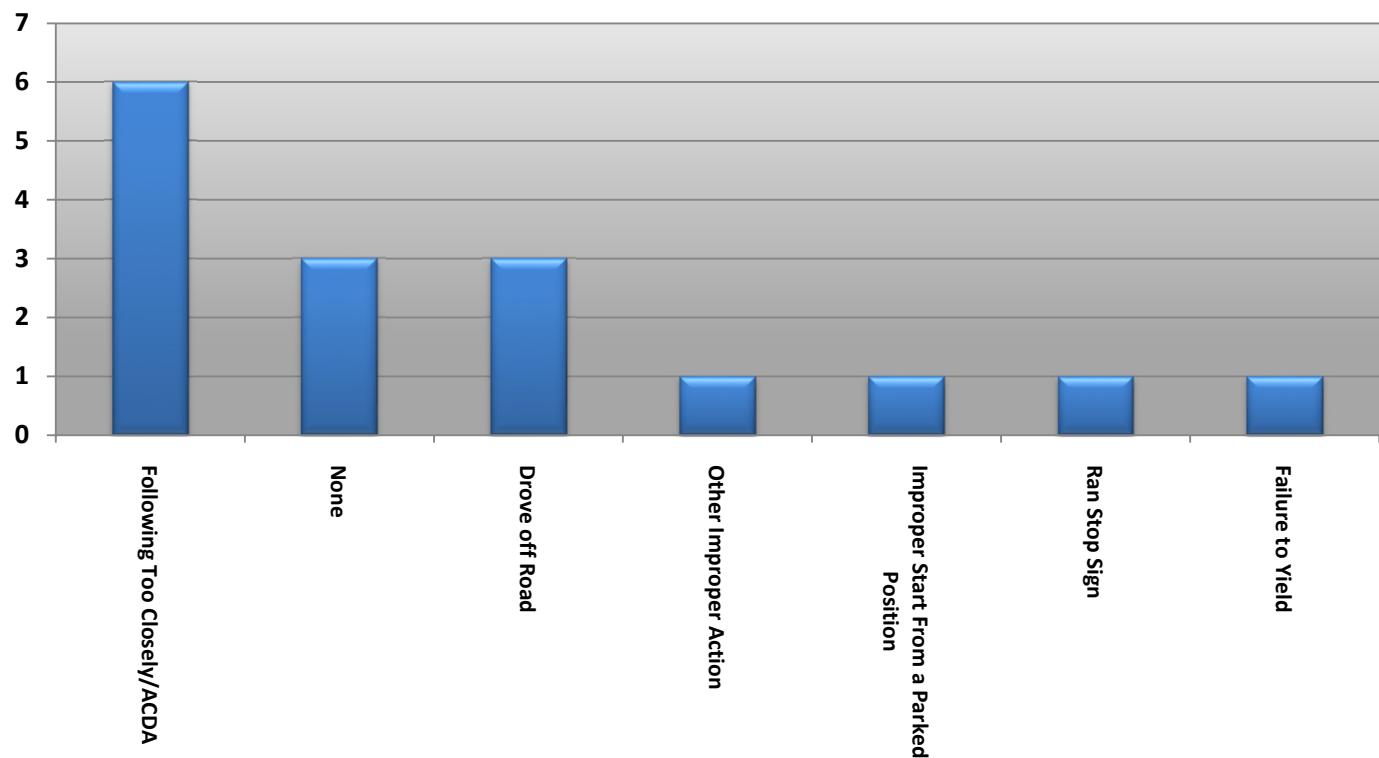
US 42 at Township Line Road



US 42 at Township Line Road

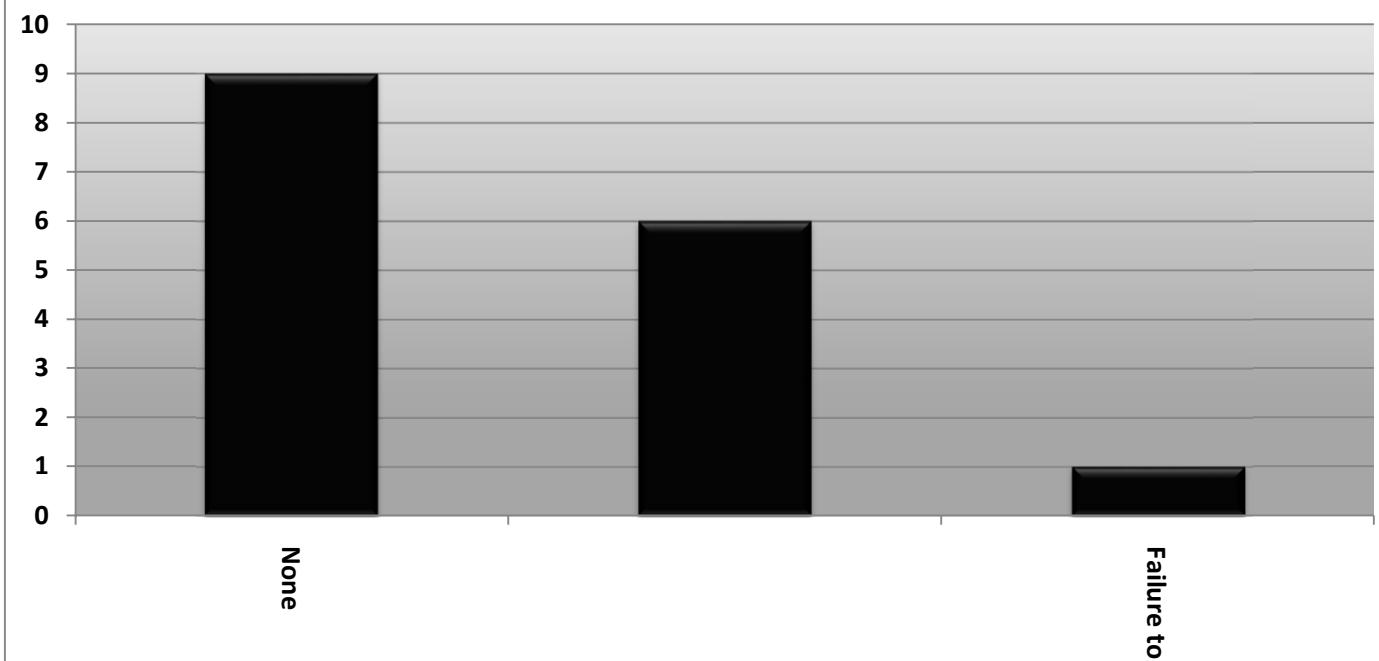


Frequency of Crashes by Contributing Factor 1



Number

Frequency of Crashes by Contributing Factor 2



CONTRIBUTING_FACTOR2

US 42 at Township Line Road

Number

Frequency of Crashes by Action 1

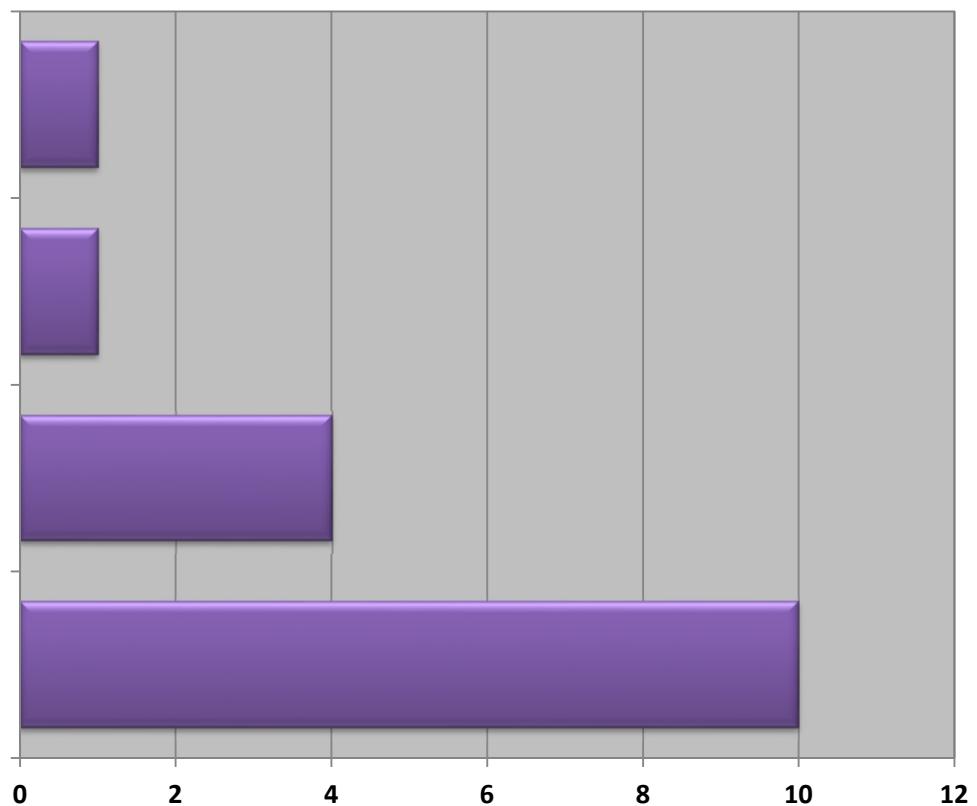
Entering Traffic Lane

Making Right Turn

Making Left Turn

Straight Ahead

ACTION1



Number

Frequency of Crashes by Action 2

Making Right Turn

Making Left Turn

Straight Ahead

ACTION2

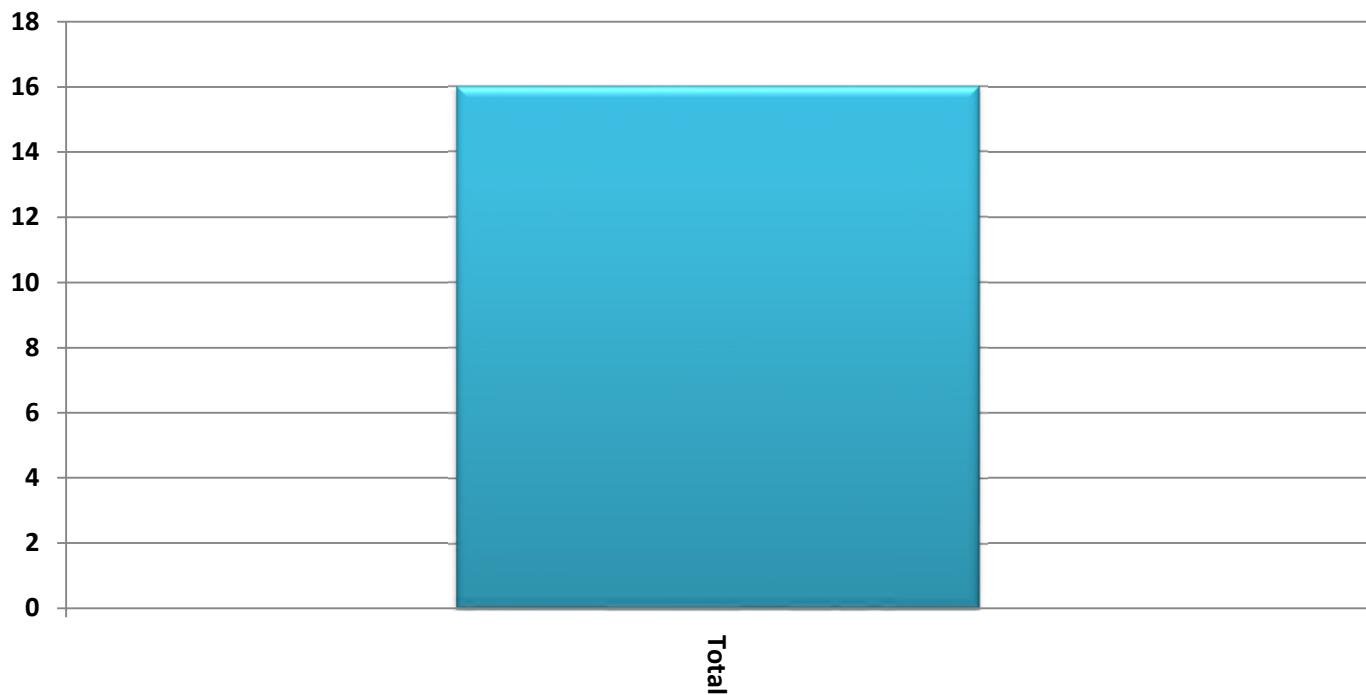
Slowing or Stopped In Traffic



US 42 at Township Line Road

Number

Frequency of Crashes by Object Struck 1



Number

Driver 1 Alcohol



DRIVER_ALCOHOL1
No

Number

Driver 2 Alcohol



DRIVER_ALCOHOL2
(blank)

Select Site Type	Int/Urb; 3-leg minor-rd STOP		
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Crash Severity	Site Average		Statewide Average
	Total (2019-2022)	Total (%)	Total (%)
Fatal Crash	0	0.00%	0.36%
Serious Injury Suspected Crash	1	6.25%	2.09%
Minor Injury Suspected Crash	4	25.00%	12.14%
Injury Possible Crash	0	0.00%	11.79%
Property-Damage-Only	11	68.75%	73.61%
Total	16		

Crashes by Crash Type				
Crash Type	Total (%)		Fatal & All Injury (%)	
	Site Average	Statewide Average	Site Average	Statewide Average
Unknown	0.00%	0.32%	0.00%	0.22%
Head On	0.00%	2.12%	0.00%	4.48%
Rear End	37.50%	27.80%	37.50%	28.61%
Backing	0.00%	4.13%	0.00%	0.92%
Sideswipe - Meeting	0.00%	0.08%	0.00%	0.08%
Sideswipe - Passing	0.00%	11.67%	0.00%	6.31%
Angle	18.75%	15.89%	18.75%	19.20%
Parked Vehicle	0.00%	5.88%	0.00%	3.48%
Pedestrian	0.00%	1.40%	0.00%	5.02%
Animal	18.75%	3.48%	18.75%	0.51%
Train	0.00%	0.02%	0.00%	0.04%
Pedalcycles	0.00%	0.65%	0.00%	2.09%
Other Non-Vehicle	0.00%	0.00%	0.00%	0.00%
Fixed Object	12.50%	14.51%	12.50%	15.64%
Other Object	0.00%	0.35%	0.00%	0.16%
Falling From Or In Vehicle	0.00%	0.00%	0.00%	0.00%
Overturning	0.00%	0.30%	0.00%	0.72%
Other Non-Collision	12.50%	1.03%	12.50%	0.94%
Left Turn	0.00%	6.37%	0.00%	8.63%
Right Turn	0.00%	4.00%	0.00%	2.95%

Crashes by Light Conditions				
Light Conditions	Total (%)		Fatal & All Injury (%)	
	Site Average	Statewide Average	Site Average	Statewide Average
Daylight	75.00%	68.43%	75.00%	69.41%
Dawn/Dusk	18.75%	0.00%	18.75%	0.00%
Dark - Lighted Roadway	0.00%	17.92%	0.00%	18.74%
Dark - Roadway Not Lighted	6.25%	7.37%	6.25%	6.77%
Dark - Unknown Roadway Lighting	0.00%	0.55%	0.00%	0.36%
Other / Unknown	0.00%	5.73%	0.00%	4.72%

Crashes by Road Conditions				
Road Conditions	Total (%)		Fatal & All Injury (%)	
	Site Average	Statewide Average	Site Average	Statewide Average
Dry	70.59%	73.69%	70.59%	75.92%
Wet	23.53%	20.93%	23.53%	20.73%
Snow	0.00%	3.12%	0.00%	1.99%
Ice	0.00%	1.36%	0.00%	0.99%
Sand, Mud, Dirt, Oil, Gravel	0.00%	0.05%	0.00%	0.05%
Water (Standing, Moving)	0.00%	0.06%	0.00%	0.06%
Slush	0.00%	0.13%	0.00%	0.10%
Other / Unknown	5.88%	0.66%	5.88%	0.16%