



Program Provided by:  
 Traffic Engineering Division  
 Collision Analysis and Safety Branch  
 (405) 522-0985  
 Created: 05/02/2022  
 by ODOT Safety Branch

## Study Map & Totals

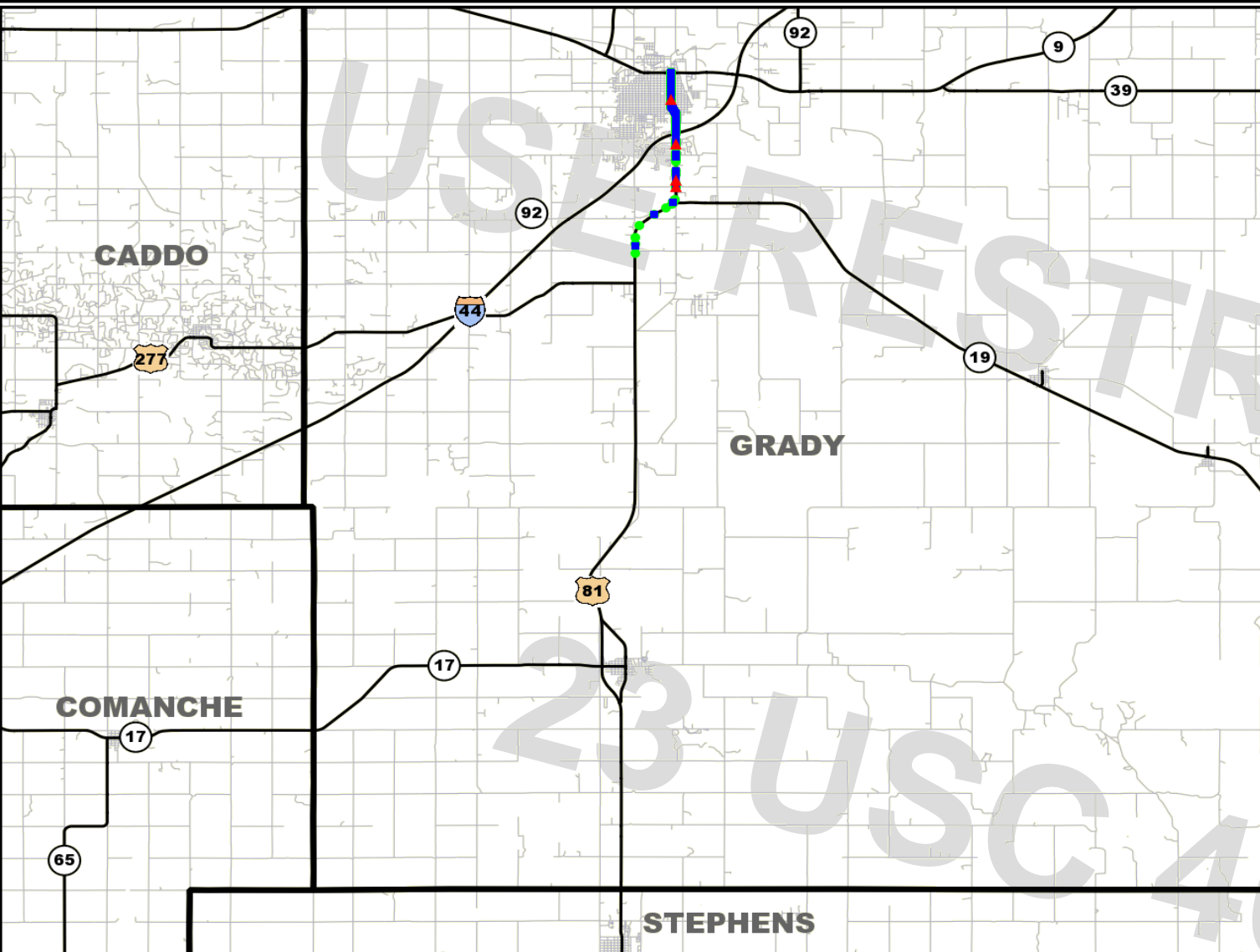
### Legend

- ▲ Fatality
- Injury
- Property Damage



Remarks:

NONE



Date Range: 01-01-2015 thru 12-31-2019

	2015						2016						2017					
	Fat	SRS Inj	Non-Incap Inj	Poss Inj	PD	Tot	Fat	SRS Inj	Non-Incap Inj	Poss Inj	PD	Tot	Fat	SRS Inj	Non-Incap Inj	Poss Inj	PD	Tot
Collisions	1		8	12	81	102	4		8	27	62	101	1	1	6	14	66	88
Persons	1		9	17		27	4		12	40		56	1	2	9	18		30



**STUDY TOTALS (CONT.)**

Date Range: 01-01-2015 Thru 12-31-2019

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	2018						2019					
	Fat	SRS Inj	Non-Incap Inj	Poss Inj	PD	Tot	Fat	SRS Inj	Non-Incap Inj	Poss Inj	PD	Tot
<b>Collisions</b>	1		4	16	86	107	1	5	12	15	86	119
<b>Persons</b>	1		5	20		26	1	8	16	22		47

	Study Total					
	Fatality	Suspected Serious Injury	Non-Incapacitating Injury	Possible Injury	Property Damage	Total
<b>Collisions</b>	4	10	38	84	381	517
<b>Persons</b>	4	14	51	117		186



**STUDY TOTALS - BY CITY AND HWY CLASS**

Date Range: 01-01-2015 Thru 12-31-2019

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**STUDY TOTALS**

Year	HIGHWAY COLLISIONS				CITY STREET COLLISIONS				COUNTY ROAD COLLISIONS				TOTAL COLLISIONS			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
2015	1	20	81	102									1	20	81	102
2016		39	62	101										39	62	101
2017	1	21	66	88									1	21	66	88
2018	1	20	86	107									1	20	86	107
2019	1	32	86	119									1	32	86	119
<b>Total:</b>	<b>4</b>	<b>132</b>	<b>381</b>	<b>517</b>				<b>0</b>				<b>0</b>	<b>4</b>	<b>132</b>	<b>381</b>	<b>517</b>

**County: (26) GRADY**

	HIGHWAY COLLISIONS				CITY STREET COLLISIONS				COUNTY ROAD COLLISIONS				TOTAL COLLISIONS			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
(15) CHICKASHA	4	128	373	505									4	128	373	505
(50) NINNEKAH		4	8	12										4	8	12
<b>Total:</b>	<b>4</b>	<b>132</b>	<b>381</b>	<b>517</b>				<b>0</b>				<b>0</b>	<b>4</b>	<b>132</b>	<b>381</b>	<b>517</b>

\* INCLUDES SUSPECTED SERIOUS, NON-INCAPACITATING, AND POSSIBLE INJURIES.



TABULATION OF COLLISIONS

Date Range: 01-01-2015 Thru 12-31-2019

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Collisions By Type Of Collision

Type Of Collision	2015				2016				2017				2018				2019			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
Rear-End (front-to-rear)		6	25	31		15	16	31		6	24	30	1	6	21	28		3	24	27
Head-On (front-to-front)						1		1						1		1				
Right Angle (front-to-side)		2	12	14		7	9	16		6	9	15		4	13	17		13	12	25
Angle Turning		7	21	28		14	16	30		6	20	26		6	32	38		13	30	43
Other Angle							1	1												
Sideswipe Same Direction		3	12	15			14	14		1	4	5		2	12	14	1		14	15
Sideswipe Opposite Direction			2	2										1		1				
Fixed Object		2	2	4		1	4	5		1	3	4			6	6		1	4	5
Pedestrian									1	1		2								
Pedal Cycle																				
Animal																				
Overturn/Rollover	1		1	2							2	2						1		1
Vehicle-Train																				
Other Single Vehicle Crash															2	2		1		1
Other			6	6		1	2	3			4	4							2	2
<b>Total</b>	<b>1</b>	<b>20</b>	<b>81</b>	<b>102</b>		<b>39</b>	<b>62</b>	<b>101</b>	<b>1</b>	<b>21</b>	<b>66</b>	<b>88</b>	<b>1</b>	<b>20</b>	<b>86</b>	<b>107</b>	<b>1</b>	<b>32</b>	<b>86</b>	<b>119</b>
<b>Percent</b>	<b>0.2</b>	<b>3.9</b>	<b>15.7</b>	<b>19.7</b>		<b>7.5</b>	<b>12.0</b>	<b>19.5</b>	<b>0.2</b>	<b>4.1</b>	<b>12.8</b>	<b>17.0</b>	<b>0.2</b>	<b>3.9</b>	<b>16.6</b>	<b>20.7</b>	<b>0.2</b>	<b>6.2</b>	<b>16.6</b>	<b>23.0</b>

Collisions By Type Of Collision

Type Of Collision	Total				
	Fat	Inj *	PD	Tot	Pct
Rear-End (front-to-rear)	1	36	110	147	28.4
Head-On (front-to-front)		2		2	0.4
Right Angle (front-to-side)		32	55	87	16.8
Angle Turning		46	119	165	31.9
Other Angle			1	1	0.2
Sideswipe Same Direction	1	6	56	63	12.2
Sideswipe Opposite Direction		1	2	3	0.6
Fixed Object		5	19	24	4.6
Pedestrian	1	1		2	0.4
Pedal Cycle					
Animal					
Overturn/Rollover	1	1	3	5	1.0
Vehicle-Train					
Other Single Vehicle Crash		1	2	3	0.6
Other		1	14	15	2.9
<b>Total</b>	<b>4</b>	<b>132</b>	<b>381</b>	<b>517</b>	<b>100</b>
<b>Percent</b>	<b>0.8</b>	<b>25.5</b>	<b>73.7</b>	<b>100</b>	

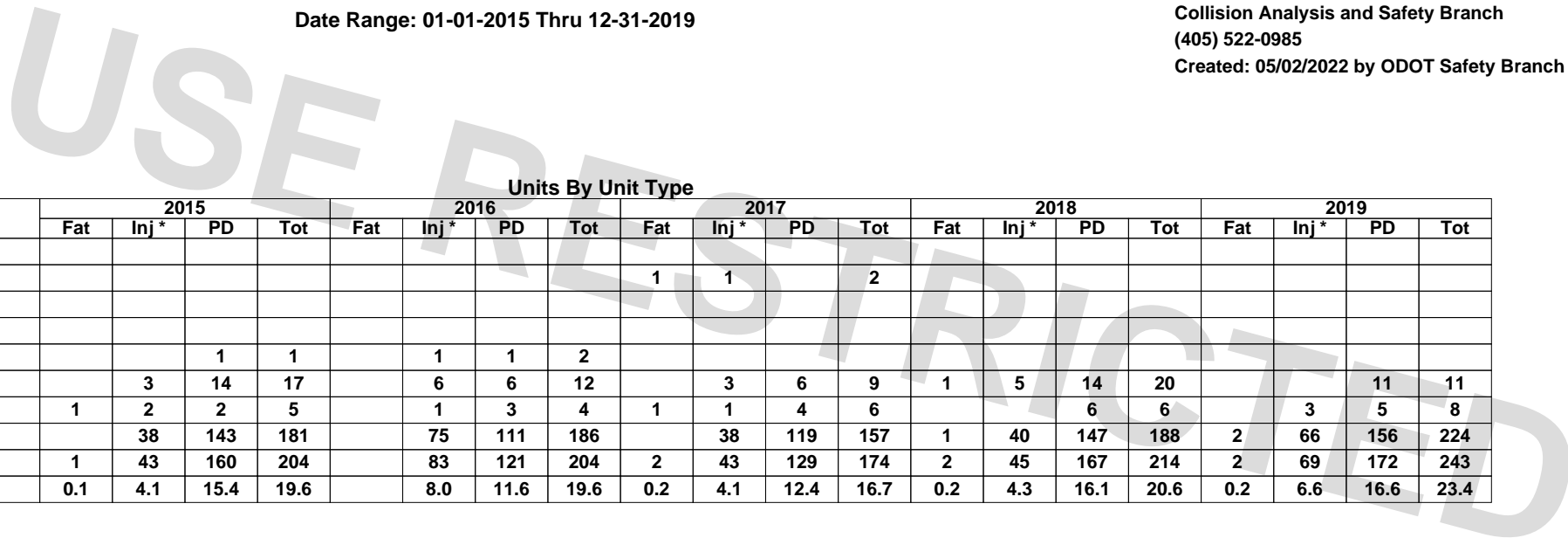
\* INCLUDES SUSPECTED SERIOUS, NON-INCAPACITATING, AND POSSIBLE INJURIES.



TABULATION OF COLLISIONS

Date Range: 01-01-2015 Thru 12-31-2019

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Units By Unit Type

Unit Type	2015				2016				2017				2018				2019			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
Train																				
Pedestrian									1	1		2								
Animal																				
Pedal Cycle																				
Parked Vehicle			1	1		1	1	2												
CMV		3	14	17		6	6	12		3	6	9	1	5	14	20			11	11
Other Single Vehicle	1	2	2	5		1	3	4	1	1	4	6		6	6		3	5	8	
Other Multi-Vehicle		38	143	181		75	111	186		38	119	157	1	40	147	188	2	66	156	224
Total	1	43	160	204		83	121	204	2	43	129	174	2	45	167	214	2	69	172	243
Percent	0.1	4.1	15.4	19.6		8.0	11.6	19.6	0.2	4.1	12.4	16.7	0.2	4.3	16.1	20.6	0.2	6.6	16.6	23.4

Units By Unit Type

Unit Type	Total				
	Fat	Inj *	PD	Tot	Pct
Train					
Pedestrian	1	1		2	0.2
Animal					
Pedal Cycle					
Parked Vehicle		1	2	3	0.3
CMV	1	17	51	69	6.6
Other Single Vehicle	2	7	20	29	2.8
Other Multi-Vehicle	3	257	676	936	90.1
Total	7	283	749	1039	100
Percent	0.7	27.2	72.1	100	



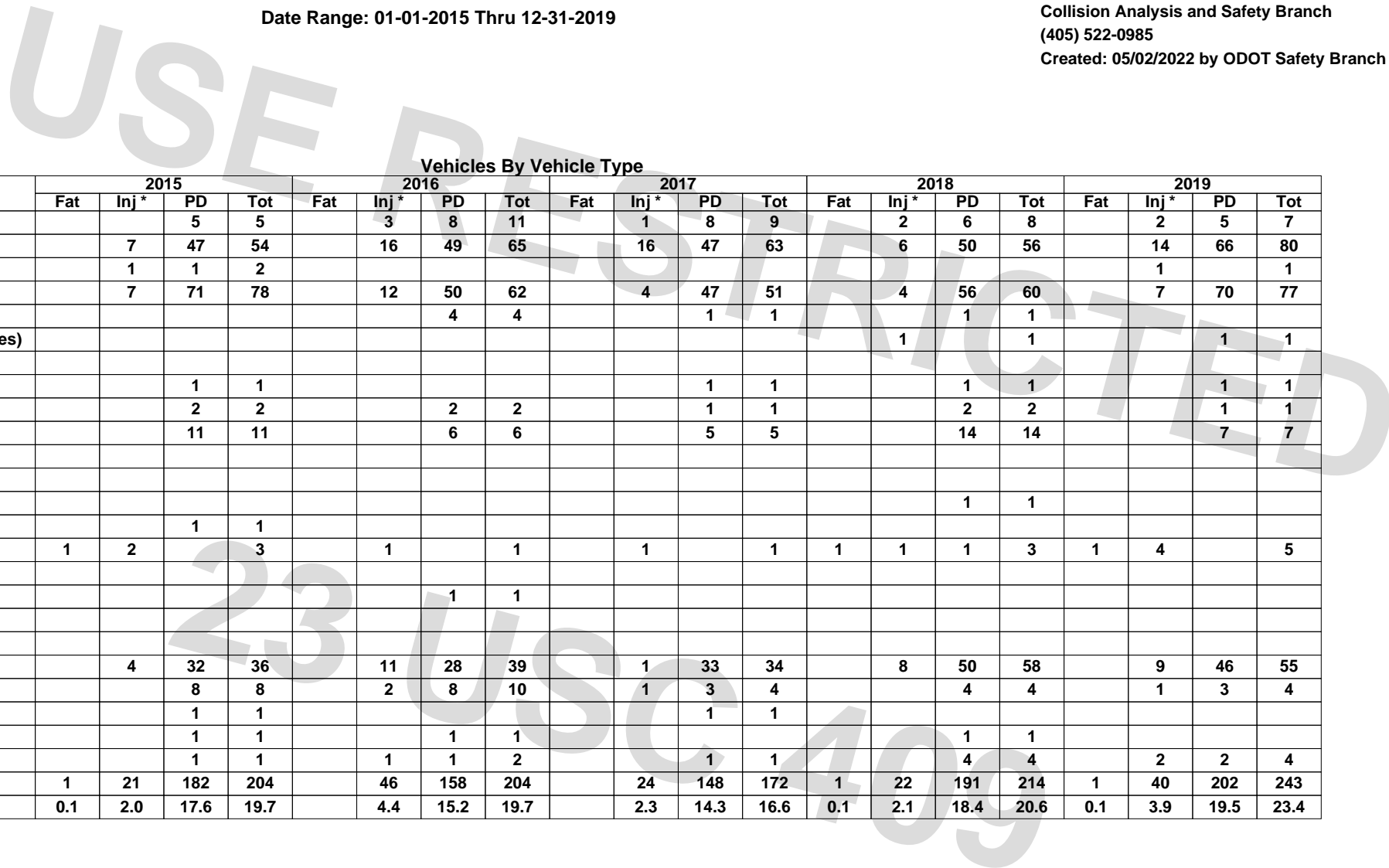
\* INCLUDES SUSPECTED SERIOUS, NON-INCAPACITATING, AND POSSIBLE INJURIES.



TABULATION OF COLLISIONS

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Vehicles By Vehicle Type

Vehicle Type	2015				2016				2017				2018				2019			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
Passenger Vehicle-2 Door			5	5		3	8	11		1	8	9		2	6	8		2	5	7
Passenger Vehicle-4 Door		7	47	54		16	49	65		16	47	63		6	50	56		14	66	80
Passenger Vehicle-Convertible		1	1	2														1		1
Pickup Truck		7	71	78		12	50	62		4	47	51		4	56	60		7	70	77
Single-Unit Truck (2 axles)							4	4			1	1			1	1				
Single-Unit Truck (3 or more axles)														1		1			1	1
School Bus																				
Truck/Trailer			1	1							1	1			1	1			1	1
Truck-Tractor (bobtail)			2	2			2	2			1	1			2	2			1	1
Truck-Tractor/Semi-Trailer			11	11			6	6			5	5			14	14			7	7
Truck-Tractor/Double																				
Truck-Tractor/Triple																				
Bus/Large Van (9-15 seats)															1	1				
Bus (16+ seats)			1	1																
Motorcycle	1	2		3		1		1		1		1	1	1	3		1	4		5
Motor Scooter/Moped																				
Motor Home							1	1												
Farm Machinery																				
ATV																				
Sport Utility Vehicle (SUV)		4	32	36		11	28	39		1	33	34		8	50	58		9	46	55
Passenger Van			8	8		2	8	10		1	3	4			4	4		1	3	4
Truck More Than 10,000 lbs.			1	1							1	1								
Van (10,000 lbs. or less)			1	1			1	1							1	1				
Other			1	1		1	1	2			1	1		4	4			2	2	4
<b>Total</b>	<b>1</b>	<b>21</b>	<b>182</b>	<b>204</b>	<b>46</b>	<b>158</b>	<b>204</b>		<b>24</b>	<b>148</b>	<b>172</b>	<b>1</b>	<b>22</b>	<b>191</b>	<b>214</b>	<b>1</b>	<b>40</b>	<b>202</b>	<b>243</b>	
<b>Percent</b>	<b>0.1</b>	<b>2.0</b>	<b>17.6</b>	<b>19.7</b>	<b>4.4</b>	<b>15.2</b>	<b>19.7</b>		<b>2.3</b>	<b>14.3</b>	<b>16.6</b>	<b>0.1</b>	<b>2.1</b>	<b>18.4</b>	<b>20.6</b>	<b>0.1</b>	<b>3.9</b>	<b>19.5</b>	<b>23.4</b>	

\* INCLUDES SUSPECTED SERIOUS, NON-INCAPACITATING, AND POSSIBLE INJURIES.



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Vehicles By Vehicle Type

Vehicle Type	Total				
	Fat	Inj *	PD	Tot	Pct
Passenger Vehicle-2 Door		8	32	40	3.9
Passenger Vehicle-4 Door		59	259	318	30.7
Passenger Vehicle-Convertible		2	1	3	0.3
Pickup Truck		34	294	328	31.6
Single-Unit Truck (2 axles)			6	6	0.6
Single-Unit Truck (3 or more axles)		1	1	2	0.2
School Bus					
Truck/Trailer			4	4	0.4
Truck-Tractor (bobtail)			8	8	0.8
Truck-Tractor/Semi-Trailer			43	43	4.1
Truck-Tractor/Double					
Truck-Tractor/Triple					
Bus/Large Van (9-15 seats)			1	1	0.1
Bus (16+ seats)			1	1	0.1
Motorcycle	3	9	1	13	1.3
Motor Scooter/Moped					
Motor Home			1	1	0.1
Farm Machinery					
ATV					
Sport Utility Vehicle (SUV)		33	189	222	21.4
Passenger Van		4	26	30	2.9
Truck More Than 10,000 lbs.			2	2	0.2
Van (10,000 lbs. or less)			3	3	0.3
Other		3	9	12	1.2
<b>Total</b>	<b>3</b>	<b>153</b>	<b>881</b>	<b>1037</b>	<b>100</b>
<b>Percent</b>	<b>0.3</b>	<b>14.8</b>	<b>85.0</b>	<b>100</b>	

\* INCLUDES SUSPECTED SERIOUS, NON-INCAPACITATING, AND POSSIBLE INJURIES.



**TABULATION OF COLLISIONS**

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**Day And Time Of Occurrence Of Collisions**

Day	Hour Of The Day																								Tot	Pcnt		
	AM												PM															
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12				
Sunday					1				4	1	4	5	1	2	3	2	2	3	3	1	1	1	1			35	6.8	
Monday			1		2	1	1	5	4	3	6	6	9	12	10	9	5	5	1	2	3					86	16.6	
Tuesday		1		1	2	1	5	2	3	4	11	8	6	6	9	8	3	3	1	5	3	1				83	16.1	
Wednesday		1			1		2	2	4	4	7	5	9	8	7	5	5	6	3		3	2	1	1			77	14.9
Thursday					1	2	4		5	5	7	7	8	6	3	9	6	7		7						77	14.9	
Friday						1	3	3	3	9	10	6	6	5	5	9	12	10	6	5	4	2	3	1			103	19.9
Saturday						2		4	2	7	5	4	3	8	8	3	2	2	3	2		1				56	10.8	
	Early Morning - Sunrise						Morning Peak						Mid Morning/Afternoon						PM Peak			Evening - Late Night					Tot	Pcnt
Total	18						56						258						116			69					517	100
Percent	3.5						10.8						49.9						22.4			13.3					100	

**Roadway/Lighting**

Roadway Conditions	Lighting Conditions					Total	Percent
	Daylight	Darkness	Twilight	Lighted	Unknown		
Dry	388	9	11	57	1	466	90.1
Wet (Water)	32	3	2	9		46	8.9
Ice, Snow, or Slush	4					4	0.8
Mud, Dirt, Gravel, or Sand	1					1	0.2
Other							
Total	425	12	13	66	1	517	100
Percent	82.2	2.3	2.5	12.8	0.2	100	

**Weather Conditions**

Weather Conditions	Total	Percent
Clear	440	85.1
Clouds Present	35	6.8
Raining/Fog	38	7.4
Snowing/Sleet/Hail	4	0.8
Other		
Total	517	100





TABULATION OF COLLISIONS

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Drivers By Driver Conditions

Unsafe/Unlawful	Apparently Normal			Alcohol Involved						Sleep Suspected			Drug Use Indicated			Unknown Condition			Total				
				Ability Impaired			Odor Detected																
	Fat	Inj *	PD	Fat	Inj *	PD	Fat	Inj *	PD	Fat	Inj *	PD	Fat	Inj *	PD	Fat	Inj *	PD	Fat	Inj *	PD	Total	Pcnt
Failed to Yield		41	75					1									1	2		43	77	120	11.6
Failed to Stop		20	41		1								1					5		21	47	68	6.6
Failed to Signal																							
Improper Turn		10	61														2		12	61	73	7.1	
Improper Start			3												1				1	3	4	0.4	
Improper Stop																							
Improper Backing		1	4																1	4	5	0.5	
Improper Parking																							
Improper Passing			3																	3	3	0.3	
Improper Lane Change		3	45															1	3	46	49	4.7	
Left of Center										1										1	1	0.1	
Following Too Close		16	26												1	1	3	1	17	29	47	4.5	
Unsafe Speed	1	5	7																1	5	7	1.3	
DWI			1		4		1						1	2						2	7	9	0.9
Inattention		19	63							1	1							2		20	66	86	8.3
Negligent Driving			5															1			6	6	0.6
Defective Vehicle			3																		3	3	0.3
Wrong Way		1																		1		1	0.1
No Improper Action	2	146	357									1		1	1			1	3	146	360	509	49.2
Other		7	25					1										1	3	9	28	37	3.6
<b>Total</b>	<b>3</b>	<b>269</b>	<b>719</b>		<b>1</b>	<b>4</b>		<b>3</b>		<b>2</b>	<b>2</b>		<b>1</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>18</b>	<b>6</b>	<b>281</b>	<b>747</b>	<b>1034</b>	<b>100</b>	
<b>Percent</b>	<b>0.3</b>	<b>26.0</b>	<b>69.5</b>		<b>0.1</b>	<b>0.4</b>		<b>0.3</b>		<b>0.2</b>	<b>0.2</b>		<b>0.1</b>	<b>0.4</b>	<b>0.3</b>	<b>0.5</b>	<b>1.7</b>	<b>0.6</b>	<b>27.2</b>	<b>72.2</b>	<b>100</b>		

Severities Indicate Highest Severity in Collision

Collisions By Special Feature

Special Feature	Total			
	Fat	Inj *	PD	Tot
Bridge				
Work Zone		2	19	21
Cross Median				
Train Collision				

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# Collision Rate Analysis

Location: Multiple Lengths of Highway  
 Time Period: 01-01-2015 to 12-31-2019 (1826 days)

RATE = No. of Collisions per 100 Million Vehicle Miles

Road Characteristics

Rate Type	Location Rates	Statewide Rates ** (2018 - 2020)	Critical Rates
Queried Collisions:	361.96	137.23	153.70
Fatal Collisions:	2.80	0.95	
Vis. Injury Collisions *:	33.61	16.75	
Vis. Injury + Fatal:	36.41	17.70	23.84

Roadway Length (miles):	06.10
Roadway Width (feet):	24 - 53
Avg. Daily Traffic (Veh/Day):	12823
Number of Lanes *:	FOUR LANES
Access Control *:	PARTIAL
Urban Area Type *:	URBAN
Rural or Municipal *:	MUNICIPAL
Median Type *:	OPEN WITH CURBS
Median Width (feet):	16 - 99

### Collision History Summary (Number of Years = 5)

	# Collisions		# People
Involving Fatality:	4	Killed:	4
Vis. Injury *:	48	Vis. Injured *:	65
Poss. Injury:	84	Poss. Injured:	117
Property Damage Only:	381		
<b>TOTAL:</b>	<b>517</b>		

\* Predominate value.

$$\text{RATE} = \frac{\text{NO. OF COLLISIONS}}{\text{EXPOSURE}}$$

$$\text{CRIT RATE} = \text{STATE RATE} + 1.645 \times \text{SQRT}\left(\frac{\text{STATE RATE}}{\text{EXPOSURE}}\right) + \left(\frac{0.5}{\text{EXPOSURE}}\right)$$

$$\text{EXPOSURE} = \frac{\text{ADT} \times \text{LENGTH} \times \text{NO. OF DAYS IN REPORT}}{100,000,000}$$

\* Includes Suspected Serious and Non-Incapacitating Injuries.

\*\* Statewide rates are computed based on similar roadways pertaining to number of lanes, divided or undivided, rural or urban, and access control. Statewide rates cannot be compared to Queried Collisions unless the queried collisions include every collision type.



**STUDY CRITERIA**

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**ROADWAY / REGION**

QUERY OVER		SELECTIONS
1	Control Section	County: 26, Control Section: 8, CS Type: hwy, CS Query On: all
2	Control Section	County: 26, Control Section: 6, CS Type: hwy, CS Query On: range, Mile Start: 20.30, Mile End: 22.30

**DATE**

Date Range	01-01-2015 to 12-31-2019
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**FILTER COLLISIONS**

Roadway Type	All Collision Data
Incl. Crashes Assoc. w/ Int.	Unchecked
Environment Fields	

**REPORT SECTIONS**

Collision Map & Study Totals	(Included)
Collision Analysis Tables	(Included)
- Totals By City, Hwy Class	Checked
- Other Analysis Tables	Checked
Rate Analysis	(Included)
Query Criteria	(Included)

**REPORT FORMAT OPTIONS**

Print Watermark	Checked
Print DPS Case Numbers	Unchecked

23 USC 409