



Program Provided by:
 Traffic Engineering Division
 Collision Analysis and Safety Branch
 (405) 522-0985
 Created: 11/06/2018
 by Jessica Avery

Study Map & Totals

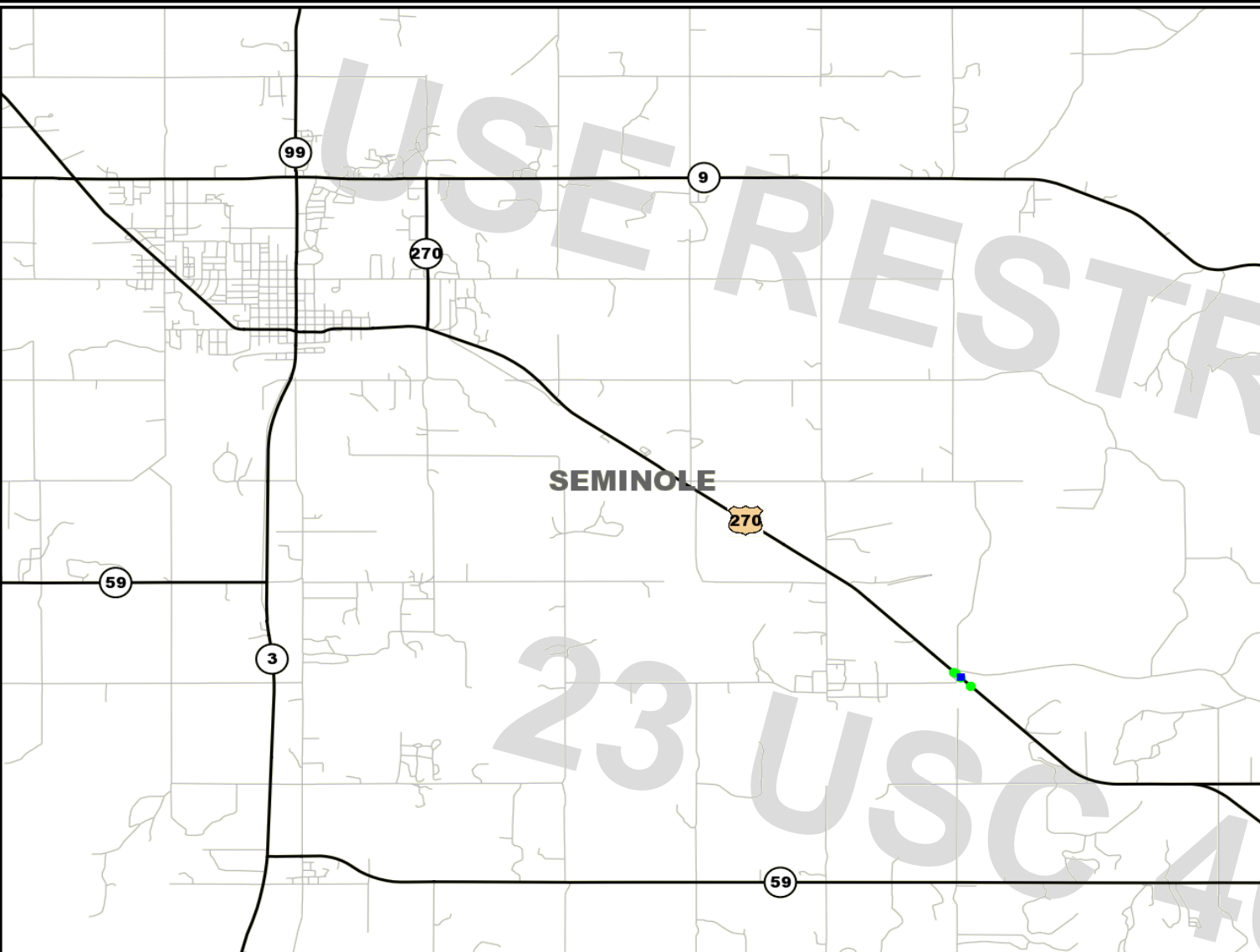
Legend

- ▲ Fatality
- Injury
- Property Damage



Remarks:

NONE



NBI 13653 JP 21006(07)

Date Range: 01-01-2007 thru 12-31-2016

	2007						2008						2009					
	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot
Collisions			1		1	2						0					1	1
Persons			2			2						0						0



STUDY TOTALS (CONT.)

NBI 13653 JP 21006(07)

Date Range: 01-01-2007 Thru 12-31-2016

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	2010						2011						2012					
	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot
Collisions						0						0					1	1
Persons						0						0						0

	2013						2014						2015					
	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot
Collisions					2	2						0						0
Persons						0						0						0

	2016					
	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot
Collisions						0
Persons						0

	Study Total					
	Fatality	Incapacitating Injury	Non-Incapacitating Injury	Possible Injury	Property Damage	Total
Collisions			1		5	6
Persons			2			2



STUDY TOTALS - BY CITY AND HWY CLASS

NBI 13653 JP 21006(07)

Date Range: 01-01-2007 Thru 12-31-2016

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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
2007		1	1	2										1	1	2
2009			1	1											1	1
2012			1	1											1	1
2013			2	2											2	2
Total:		1	5	6				0				0		1	5	6

County: (67) SEMINOLE

(00) - RURAL -	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
(00) - RURAL -		1	5	6										1	5	6

* INCLUDES INCAPACITATING, NON-INCAPACITATING, AND POSSIBLE INJURIES.



TABULATION OF COLLISIONS

NBI 13653 JP 21006(07)

Date Range: 01-01-2007 Thru 12-31-2016

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Collisions By Type Of Collision

Type Of Collision	2007				2008				2009				2010				2011				
	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)																					
Head-On (front-to-front)																					
Right Angle (front-to-side)																					
Angle Turning																					
Other Angle																					
Sideswipe Same Direction		1		1																	
Sideswipe Opposite Direction																					
Fixed Object			1	1							1	1									
Pedestrian																					
Pedal Cycle																					
Animal																					
Overturn/Rollover																					
Vehicle-Train																					
Other Single Vehicle Crash																					
Other																					
Total		1	1	2							1	1									
Percent		16.7	16.7	33.3							16.7	16.7									

Collisions By Type Of Collision

Type Of Collision	2012				2013				2014				2015				2016				
	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)							1	1													
Head-On (front-to-front)																					
Right Angle (front-to-side)																					
Angle Turning																					
Other Angle																					
Sideswipe Same Direction																					
Sideswipe Opposite Direction																					
Fixed Object			1	1			1	1													
Pedestrian																					
Pedal Cycle																					
Animal																					
Overturn/Rollover																					
Vehicle-Train																					
Other Single Vehicle Crash																					
Other																					
Total			1	1			2	2													
Percent			16.7	16.7			33.3	33.3													

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Collisions By Type Of Collision

Type Of Collision	Total			Tot	Pct
	Fat	Inj *	PD		
Rear-End (front-to-rear)			1	1	16.7
Head-On (front-to-front)					
Right Angle (front-to-side)					
Angle Turning					
Other Angle					
Sideswipe Same Direction		1		1	16.7
Sideswipe Opposite Direction					
Fixed Object			4	4	66.7
Pedestrian					
Pedal Cycle					
Animal					
Overturn/Rollover					
Vehicle-Train					
Other Single Vehicle Crash					
Other					
Total		1	5	6	100
Percent		16.7	83.3	100	

23 USC 409

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Units By Unit Type

Unit Type	2007				2008				2009				2010				2011			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
Train																				
Pedestrian																				
Animal																				
Pedal Cycle																				
Parked Vehicle																				
CMV																				
Other Single Vehicle			1	1							1	1								
Other Multi-Vehicle		2		2																
Total		2	1	3							1	1								
Percent		22.2	11.1	33.3							11.1	11.1								

Units By Unit Type

Unit Type	2012				2013				2014				2015				2016			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
Train																				
Pedestrian																				
Animal																				
Pedal Cycle																				
Parked Vehicle																				
CMV																				
Other Single Vehicle			1	1			1	1												
Other Multi-Vehicle							3	3												
Total			1	1			4	4												
Percent			11.1	11.1			44.4	44.4												

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Units By Unit Type

Unit Type	Total			Tot	Pct
	Fat	Inj *	PD		
Train					
Pedestrian					
Animal					
Pedal Cycle					
Parked Vehicle					
CMV					
Other Single Vehicle			4	4	44.4
Other Multi-Vehicle		2	3	5	55.6
Total		2	7	9	100
Percent		22.2	77.8	100	

23 USC 409

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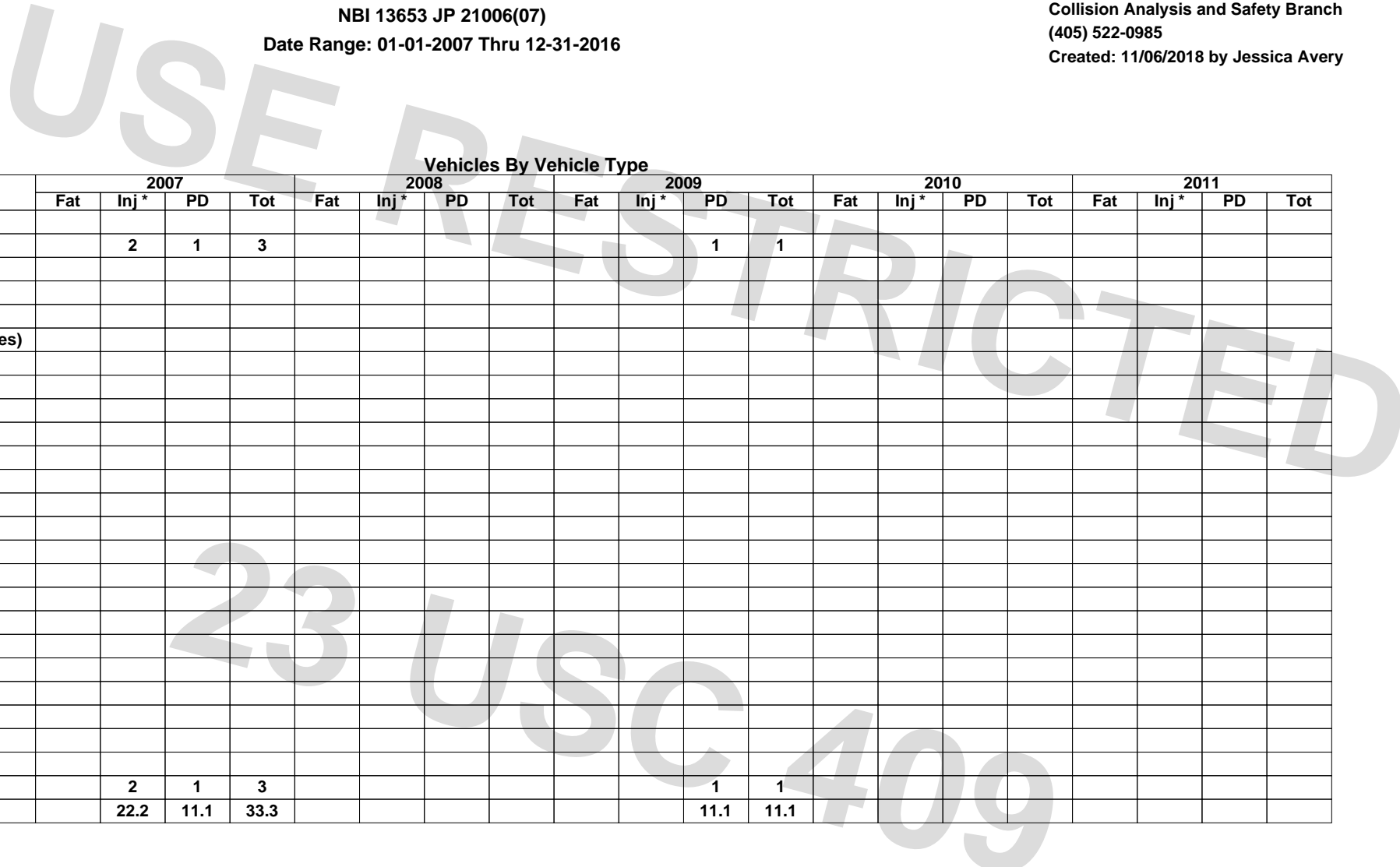


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Vehicles By Vehicle Type

Vehicle Type	2007				2008				2009				2010				2011			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
Passenger Vehicle-2 Door																				
Passenger Vehicle-4 Door		2	1	3							1	1								
Passenger Vehicle-Convertible																				
Pickup Truck																				
Single-Unit Truck (2 axles)																				
Single-Unit Truck (3 or more axles)																				
School Bus																				
Truck/Trailer																				
Truck-Tractor (bobtail)																				
Truck-Tractor/Semi-Trailer																				
Truck-Tractor/Double																				
Truck-Tractor/Triple																				
Bus/Large Van (9-15 seats)																				
Bus (16+ seats)																				
Motorcycle																				
Motor Scooter/Moped																				
Motor Home																				
Farm Machinery																				
ATV																				
Sport Utility Vehicle (SUV)																				
Passenger Van																				
Truck More Than 10,000 lbs.																				
Van (10,000 lbs. or less)																				
Other																				
Total		2	1	3							1	1								
Percent		22.2	11.1	33.3							11.1	11.1								

* INCLUDES INCAPACITATING, NON-INCAPACITATING, AND POSSIBLE INJURIES.

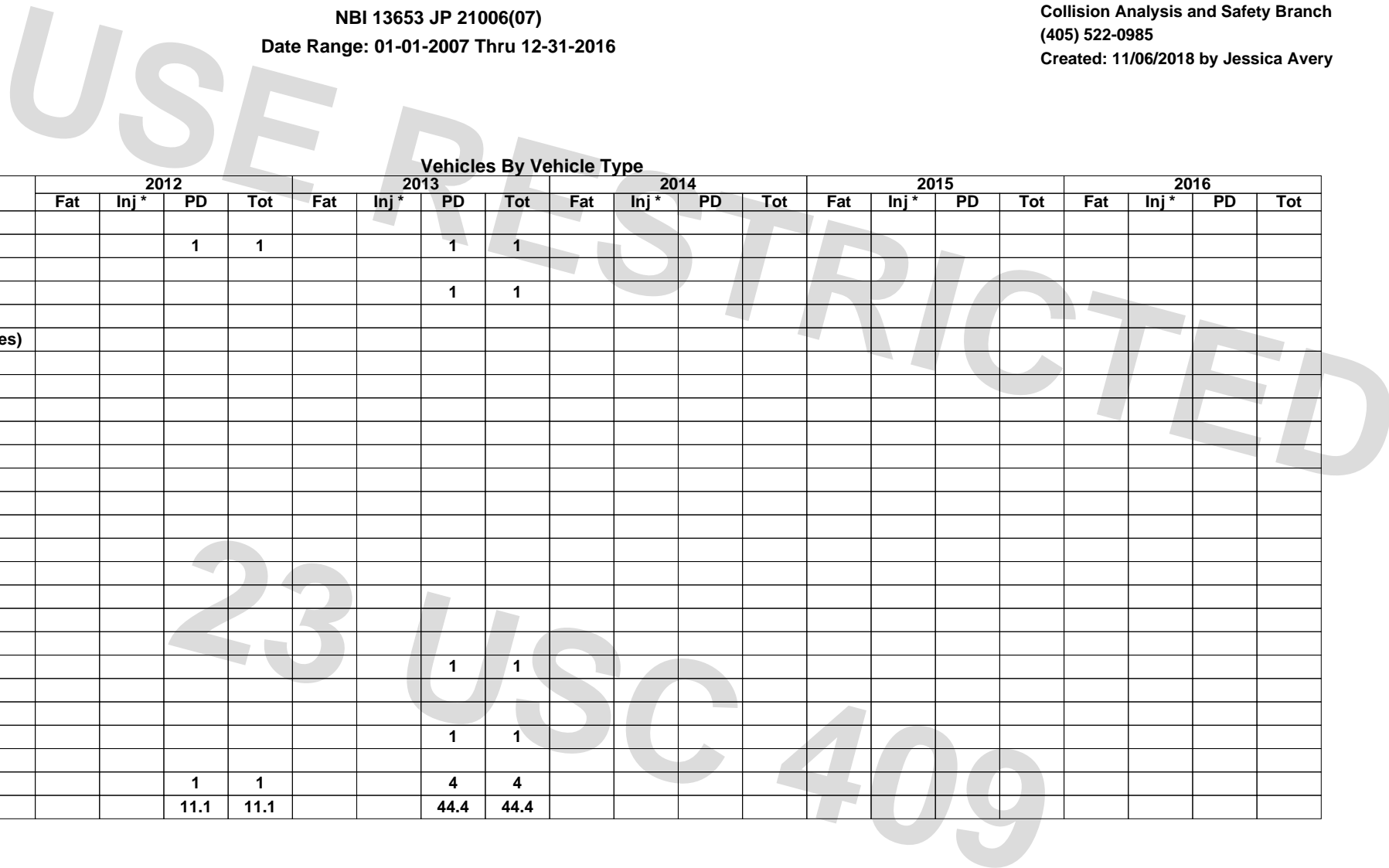


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Vehicles By Vehicle Type

Vehicle Type	2012				2013				2014				2015				2016			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
Passenger Vehicle-2 Door																				
Passenger Vehicle-4 Door			1	1			1	1												
Passenger Vehicle-Convertible																				
Pickup Truck							1	1												
Single-Unit Truck (2 axles)																				
Single-Unit Truck (3 or more axles)																				
School Bus																				
Truck/Trailer																				
Truck-Tractor (bobtail)																				
Truck-Tractor/Semi-Trailer																				
Truck-Tractor/Double																				
Truck-Tractor/Triple																				
Bus/Large Van (9-15 seats)																				
Bus (16+ seats)																				
Motorcycle																				
Motor Scooter/Moped																				
Motor Home																				
Farm Machinery																				
ATV																				
Sport Utility Vehicle (SUV)							1	1												
Passenger Van																				
Truck More Than 10,000 lbs.																				
Van (10,000 lbs. or less)							1	1												
Other																				
Total			1	1			4	4												
Percent			11.1	11.1			44.4	44.4												

* INCLUDES INCAPACITATING, 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					
Passenger Vehicle-4 Door		2	4	6	66.7
Passenger Vehicle-Convertible					
Pickup Truck			1	1	11.1
Single-Unit Truck (2 axles)					
Single-Unit Truck (3 or more axles)					
School Bus					
Truck/Trailer					
Truck-Tractor (bobtail)					
Truck-Tractor/Semi-Trailer					
Truck-Tractor/Double					
Truck-Tractor/Triple					
Bus/Large Van (9-15 seats)					
Bus (16+ seats)					
Motorcycle					
Motor Scooter/Moped					
Motor Home					
Farm Machinery					
ATV					
Sport Utility Vehicle (SUV)			1	1	11.1
Passenger Van					
Truck More Than 10,000 lbs.					
Van (10,000 lbs. or less)			1	1	11.1
Other					
Total		2	7	9	100
Percent		22.2	77.8	100	

* INCLUDES INCAPACITATING, NON-INCAPACITATING, AND POSSIBLE INJURIES.

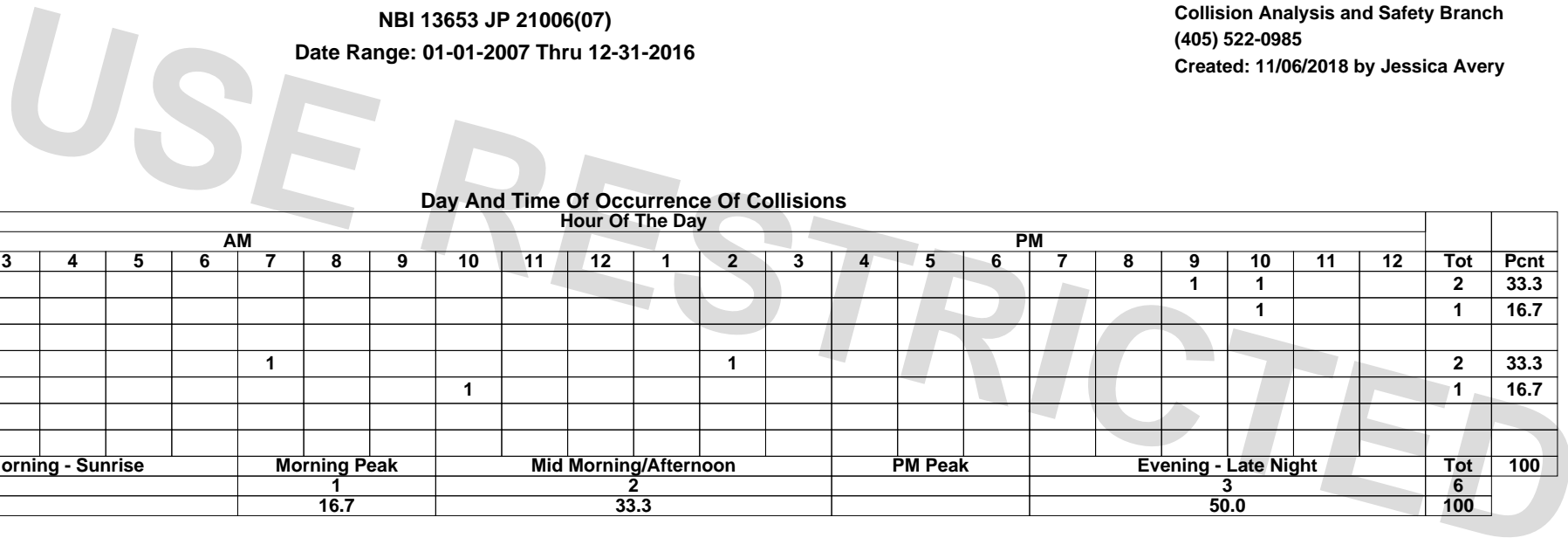


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Day And Time Of Occurrence Of Collisions

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	1			2	33.3
Monday																							1			1	16.7
Tuesday																											
Wednesday							1							1												2	33.3
Thursday										1																1	16.7
Friday																											
Saturday																											
	Early Morning - Sunrise						Morning Peak			Mid Morning/Afternoon						PM Peak			Evening - Late Night						Tot	Pcnt	
Total							1			2									3						6	100	
Percent							16.7			33.3									50.0						100		

Roadway/Lighting

Roadway Conditions	Lighting Conditions					Total	Percent
	Daylight	Darkness	Twilight	Lighted	Unknown		
Dry	2	2				4	66.7
Wet (Water)		1	1			2	33.3
Ice, Snow, or Slush							
Mud, Dirt, Gravel, or Sand							
Other							
Total	2	3	1			6	100
Percent	33.3	50.0	16.7			100	

Weather Conditions

Weather Conditions	Total	Percent
Clear	3	50.0
Clouds Present	2	33.3
Raining/Fog	1	16.7
Snowing/Sleet/Hail		
Other		
Total	6	100



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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												1									1	1	11.1	
Failed to Stop																								
Failed to Signal																								
Improper Turn																								
Improper Start																								
Improper Stop																								
Improper Backing																								
Improper Parking																								
Improper Passing		1																			1	1	11.1	
Improper Lane Change																								
Left of Center																								
Following Too Close			2																		2	2	22.2	
Unsafe Speed			1																		1	1	11.1	
DWI																								
Inattention																								
Negligent Driving																								
Defective Vehicle			1																		1	1	11.1	
Wrong Way																								
No Improper Action		1	2																		1	2	3	33.3
Other																								
Total		2	6									1									2	7	9	100
Percent		22.2	66.7									11.1									22.2	77.8	100	

Severities Indicate Highest Severity in Collision

Collisions By Special Feature

Special Feature	Total			
	Fat	Inj *	PD	Tot
Bridge				
Work Zone			1	1
Cross Median				
Train Collision				

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Expected Collision Analysis

NBI 13653 JP 21006(07)

Time Period: 01-01-2007 to 12-31-2016

Number of Years in Query: 10.01

$$\text{Exp Target Colls} = \left(\frac{1 + (1/K) \text{ Target Colls}}{1 + (1/K) \text{ Pred Colls}} \right) \text{ Pred Colls}$$

Pred Colls = Collisions Predicted by Selected SPF

Target Colls = Collisions that Match Selected SPF

1/K = Overdispersion for Selected SPF

$$\text{Exp Crash Frequency} = \text{Exp Target Colls} / \text{Num Years}$$

$$\text{Exp Crash Density} = \text{Exp Crash Frequency} / \text{Length}$$

$$\text{Exp Crash Rate} = (\text{Exp Crash Density} * 100,000,000) / (\text{ADT} * 365)$$

$$\text{Exp Excess Crash Freq} = (\text{Exp Target Colls} - \text{Pred Colls}) / \text{Num Years}$$

$$\text{Typical Crash Freq} = \text{Pred Colls} / \text{Num Years}$$

$$\text{Exp/Typ Crash Ratio} = \text{Exp Target Colls} / \text{Pred Colls}$$

$$\text{Deviation Probability} = \text{Cumulative Value of Exp Target Colls in Distribution}$$

ANALYSIS PER SUBSECTION

CO	CS	Start	End	Length	ADT	Selected SPF	Queried Colls	Target Colls	Predicted Colls	Over dispersion	Exp Target Colls	Exp Crash Frequency	Exp Crash Density	Exp Crash Rate	Exp Excess Crash Freq	Typical Crash Freq	Exp/Typ Crash Ratio	Deviation Probability
67	02	08.71	08.90	0.19	6300	96: Tab 4 ODOT HWYs Rural 2017	6	1	0.43	0.28	0.49	0.05	0.26	11.16	0.01	0.04	1.14	0.67
				0.19	33158		6	1	0.43	0.28	0.49	0.05	0.26	2.12	0.01	0.04	1.14	0.67

Total Expected Target Collisions: 0.49

Total Expected Crash Frequency: 0.05

Overall Expected Crash Density: 0.26

Overall Expected Crash Rate: 2.12

Total Expected Excess Crash Frequency: 0.01

Total Typical Crash Frequency: 0.04

Overall Expected/Typical Crash Ratio: 1.14

Overall Deviation Probability: 0.67



HIGHWAY SYSTEM COLLISION LISTING

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Cnty	City	CS #	Int. #	Mile Post	Location	Features	Int. Related	On Map	Dir. 1	Dir. 2	# Veh.	# Inj.*	# Fat.	Type of Collision	Unsafe Unlawful	Lighting Cond.	Roadway Cond.	Severity	Date
(67) SEMINOLE		(00)			HWY: US-270									AT: 00.01 after NEW LIMA/NS361(23)					
67		02		08.71			NO	Y	W	-	1			F-O GUARDRL-FACE	DEF-VEH	DYLGT	DRY	PDO	05-02-2007
(67) SEMINOLE		(00)			HWY: US-270									AT: 00.03 after NEW LIMA/NS361(23)					
67		02		08.73			NO	Y	W	-	1			F-O GUARDRL-FACE	DEER	DARK	DRY	PDO	09-27-2009
(67) SEMINOLE		(00)			HWY: US-270									AT: 00.02 before CRI&P RR UP					
67		02		08.78			NO	Y	E	E	2	2		SIDESWIPE-SAME	IMP-PASS	DARK	DRY	N-I INJ	09-17-2007
(67) SEMINOLE		(00)			HWY: US-270									AT: 00.01 before CRI&P RR UP					
67		02		08.79			NO	Y	W	-	1			F-O CULVERT	F-YIELD	DYLGT	DRY	PDO	09-27-2012
(67) SEMINOLE		(00)			HWY: US-270									AT: 00.04 before WEWOKA CR.					
67		02		08.90		WKZONE	NO	Y	E	E	3			REAR-END	FOL-CLOSE	DAWN	WET	PDO	02-13-2013
67		02		08.90			NO	Y	W	-	1			F-O GUARDRL-FACE	UNSAF-SPD	DARK	WET	PDO	07-14-2013

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STUDY CRITERIA

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ROADWAY / REGION

QUERY OVER	SELECTIONS
Control Section	County: 67, Control Section: 2, CS Type: hwy, CS Query On: range, Mile Start: 08.71, Mile End: 08.90

DATE

Date Range	01-01-2007 to 12-31-2016
------------	--------------------------

REPORT SECTIONS

Collision Map & Study Totals	(Included)
Collision Analysis Tables	(Included)
- Totals By City, Hwy Class	Checked
- Other Analysis Tables	Checked
Collision Listing	(Included)
- Highway Collision Listing	Checked, By Control Section
- City Street Collision Listing	Checked
- County Road Collision Listing	Checked
Query Criteria	(Included)

FILTER COLLISIONS

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

REPORT FORMAT OPTIONS

Print Watermark	Checked
Print DPS Case Numbers	Unchecked