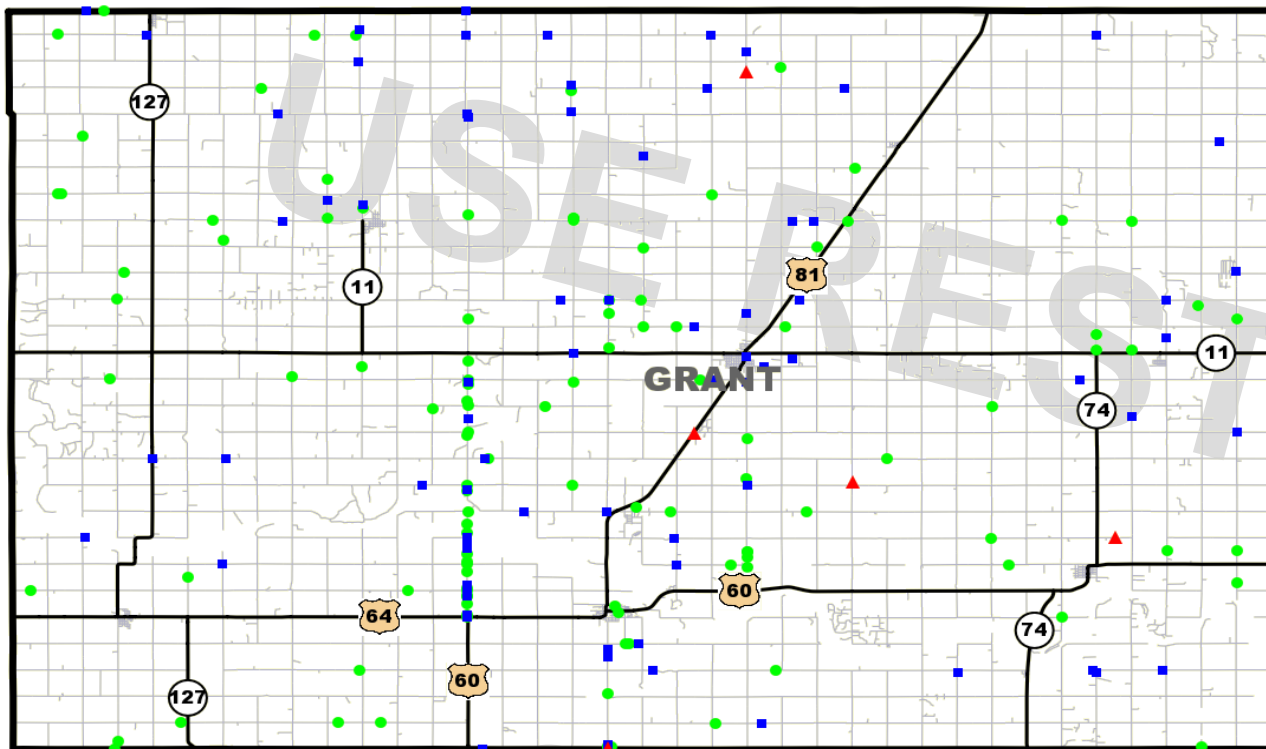




Program Provided by:
 Traffic Engineering Division
 Collision Analysis and Safety Branch
 (405) 522-0985
 Created: 11/08/2018
 by Joseph Brutsche



Study Map & Totals

Legend

- ▲ Fatality
- Injury
- Property Damage



Remarks:

NONE

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 thru 11-08-2018

	2008						2009						2010					
	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	4	3	2	8	18	1	1	3	5	9	18			1	4	6	11
Persons	3	5	5	3		16	1	1	5	6		12			1	5		6



STUDY TOTALS (CONT.)

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

Program Provided by:
 Traffic Engineering Division
 Collision Analysis and Safety Branch
 (405) 522-0985
 Created: 11/08/2018 by Joseph Brutsche

	2011						2012						2013					
	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		7	2	10	20		1	6	4	27	38		1	5	1	14	21
Persons	1		7	6		14		1	7	5		13		1	5	3		9

	2014						2015						2016					
	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	4	6	15	27	1		2	4	6	13	2		4	2	8	16
Persons		2	6	11		19	1		2	4		7	2	2	8	4		16

	2017*						2018*					
	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot	Fat	Incap Inj	Non-Incap Inj	Poss Inj	PD	Tot
Collisions		1	3	2	7	13				1	1	2
Persons		1	3	3		7				1		1

* DENOTES A YEAR FOR WHICH DATA MAY BE INCOMPLETE.

	Study Total					
	Fatality	Incapacitating Injury	Non-Incapacitating Injury	Possible Injury	Property Damage	Total
Collisions	5	10	38	33	111	197
Persons	7	13	49	51		120



STUDY TOTALS - BY CITY AND HWY CLASS

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

Program Provided by:
 Traffic Engineering Division
 Collision Analysis and Safety Branch
 (405) 522-0985
 Created: 11/08/2018 by Joseph Brutsche

STUDY TOTALS

Year	COUNTY ROAD COLLISIONS			
	Fat	Inj *	PD	Tot
2008	1	9	8	18
2009		9	9	18
2010		5	6	11
2011	1	9	10	20
2012		11	27	38
2013		7	14	21
2014		12	15	27
2015	1	6	6	13
2016	2	6	8	16
2017 *		6	7	13
2018 *		1	1	2
Total:	5	81	111	197

* DENOTES A YEAR FOR WHICH DATA MAY BE INCOMPLETE.

County: (27) GRANT

	COUNTY ROAD COLLISIONS			
	Fat	Inj *	PD	Tot
(00) - RURAL -	5	81	111	197

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



TABULATION OF COLLISIONS

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

Program Provided by:
 Traffic Engineering Division
 Collision Analysis and Safety Branch
 (405) 522-0985
 Created: 11/08/2018 by Joseph Brutsche

Collisions By Type Of Collision

Type Of Collision	2008				2009				2010				2011				2012			
	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			1	1			2	2
Head-On (front-to-front)																				
Right Angle (front-to-side)		1	1	2			1	1						2		2		1	1	2
Angle Turning																		1		1
Other Angle																				
Sideswipe Same Direction							1	1												
Sideswipe Opposite Direction		1		1										2		2			2	2
Fixed Object		4	5	9		6	4	10		2	3	5		1	6	7		5	4	9
Pedestrian																				
Pedal Cycle																				
Animal											1	1			1	1			4	4
Overturn/Rollover		3	2	5		3	3	6		2	1	3	1	4	2	7		4	13	17
Vehicle-Train	1			1															1	1
Other Single Vehicle Crash																				
Other											1	1								
Total	1	9	8	18	9	9	9	18	5	6	11	20	1	9	10	20	11	27	38	
Percent	0.5	4.6	4.1	9.1	4.6	4.6	9.1	9.1	2.5	3.0	5.6	10.2	0.5	4.6	5.1	10.2	5.6	13.7	19.3	

Collisions By Type Of Collision

Type Of Collision	2013				2014				2015				2016				2017*			
	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)			3	3			1	1			1	1							1	1
Head-On (front-to-front)							1	1												
Right Angle (front-to-side)		1	2	3		1	1	2						1		1				
Angle Turning			1	1											1	1				
Other Angle																				
Sideswipe Same Direction			1	1		1		1												
Sideswipe Opposite Direction							1	1												
Fixed Object		1	3	4		4	2	6		2	1	3	1	2	4	7		4	3	7
Pedestrian																				
Pedal Cycle																				
Animal						1		1										1	3	4
Overturn/Rollover		5	4	9		4	5	9	1	4	3	8	1	3	2	6		1		1
Vehicle-Train																				
Other Single Vehicle Crash						1	1	2			1	1								
Other							3	3							1	1				
Total	7	14	14	21	12	15	15	27	1	6	6	13	2	6	8	16	6	7	13	
Percent	3.6	7.1	7.1	10.7	6.1	7.6	7.6	13.7	0.5	3.0	3.0	6.6	1.0	3.0	4.1	8.1	3.0	3.6	6.6	

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



TABULATION OF COLLISIONS

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

Program Provided by:
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 (405) 522-0985
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Collisions By Type Of Collision

Type Of Collision	2018*				Total				
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Pct
Rear-End (front-to-rear)						1	9	10	5.1
Head-On (front-to-front)						1	1	1	0.5
Right Angle (front-to-side)						7	6	13	6.6
Angle Turning						1	2	3	1.5
Other Angle									
Sideswipe Same Direction						1	2	3	1.5
Sideswipe Opposite Direction						3	3	6	3.0
Fixed Object					1	31	35	67	34.0
Pedestrian									
Pedal Cycle									
Animal						2	9	11	5.6
Overturn/Rollover		1		1	3	34	35	72	36.5
Vehicle-Train					1		1	2	1.0
Other Single Vehicle Crash						1	2	3	1.5
Other			1	1			6	6	3.0
Total		1	1	2	5	81	111	197	100
Percent		0.5	0.5	1.0	2.5	41.1	56.3	100	

RESTRICTED

23 USC 409

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



TABULATION OF COLLISIONS

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

Program Provided by:
 Traffic Engineering Division
 Collision Analysis and Safety Branch
 (405) 522-0985
 Created: 11/08/2018 by Joseph Brutsche

Units By Unit Type

Unit Type	2008				2009				2010				2011				2012			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
Train	1			1															1	1
Pedestrian																				
Animal											1	1			1	1			3	3
Pedal Cycle																				
Parked Vehicle																				
CMV	1	3	1	5	1	4	5	5	1	1	1	1	1	6	1	8	4	13	17	
Other Single Vehicle		6	6	12	8	5	13	13	3	5	8	8	3	9	12	12	7	12	19	
Other Multi-Vehicle		2	2	4		2	2	2	2	2	4	4	4	1	5	5	2	7	9	
Total	2	11	9	22	9	11	20	20	6	8	14	14	1	13	12	26	13	36	49	
Percent	0.8	4.4	3.6	8.8	3.6	4.4	8.0	8.0	2.4	3.2	5.6	5.6	0.4	5.2	4.8	10.4	5.2	14.3	19.5	

Units By Unit Type

Unit Type	2013				2014				2015				2016				2017*			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
Train																				
Pedestrian																				
Animal						1	1	1										1	3	4
Pedal Cycle																				
Parked Vehicle																				
CMV		1	7	8		4	7	11	1	1	2	2	1	1	2	2		2	2	
Other Single Vehicle		5	4	9		8	4	12	1	5	4	10	2	4	5	11	6	4	10	
Other Multi-Vehicle		2	10	12		2	11	13		2	2	2	2	4	6	6		2	2	
Total		8	21	29		15	22	37	1	6	7	14	2	7	10	19	7	11	18	
Percent		3.2	8.4	11.6		6.0	8.8	14.7	0.4	2.4	2.8	5.6	0.8	2.8	4.0	7.6	2.8	4.4	7.2	

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



TABULATION OF COLLISIONS

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

Program Provided by:
 Traffic Engineering Division
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Units By Unit Type

Unit Type	2018*				Total				
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Pct
Train					1		1	2	0.8
Pedestrian									
Animal						2	8	10	4.0
Pedal Cycle									
Parked Vehicle									
CMV					2	22	37	61	24.3
Other Single Vehicle		1		1	3	56	58	117	46.6
Other Multi-Vehicle			2	2		16	45	61	24.3
Total		1	2	3	6	96	149	251	100
Percent		0.4	0.8	1.2	2.4	38.2	59.4	100	

23 USC 409

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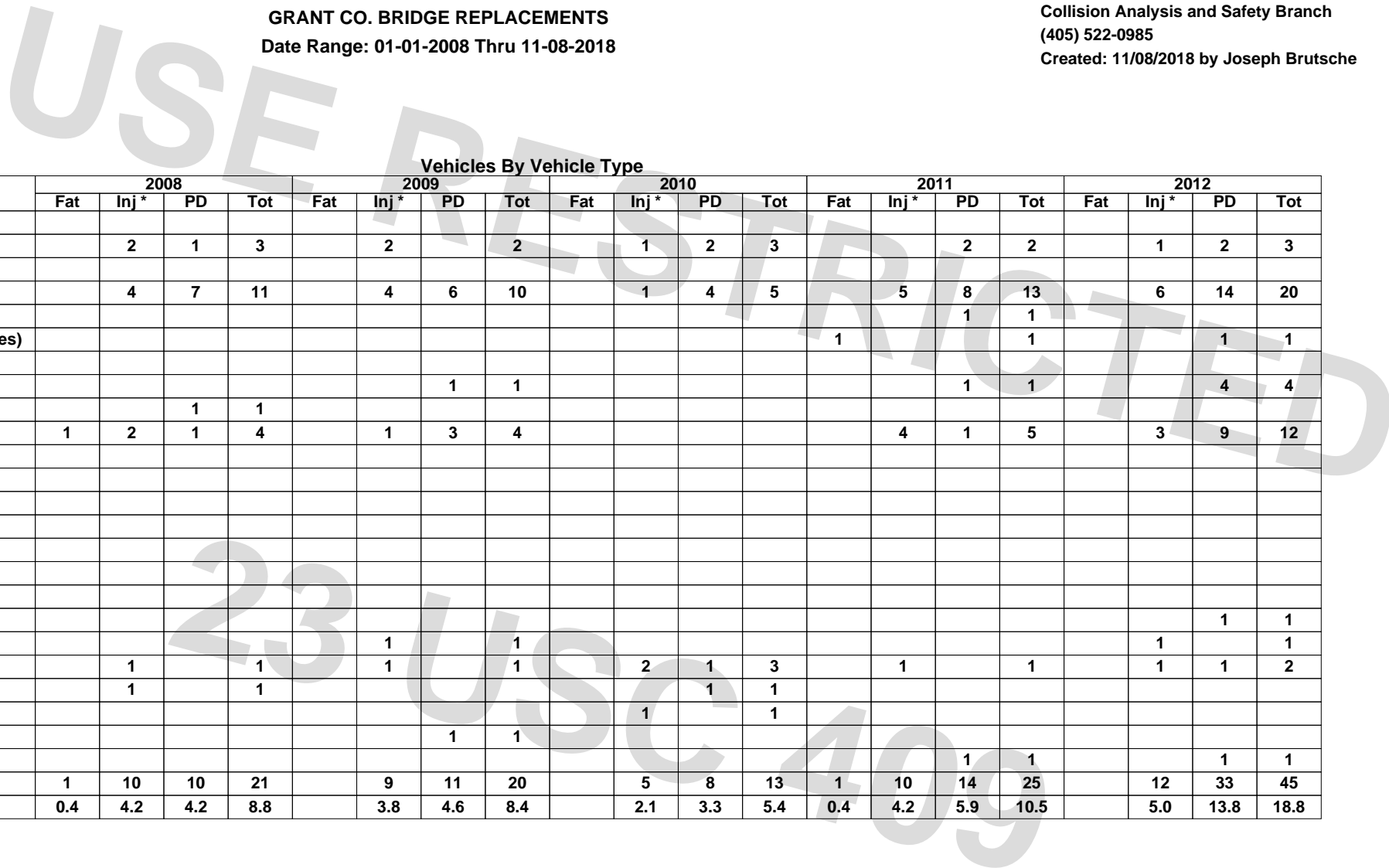


TABULATION OF COLLISIONS

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

Program Provided by:
 Traffic Engineering Division
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 (405) 522-0985
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Vehicles By Vehicle Type

Vehicle Type	2008				2009				2010				2011				2012				
	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		2		2		1	2	3			2	2			1	2	3
Passenger Vehicle-Convertible																					
Pickup Truck		4	7	11		4	6	10		1	4	5		5	8	13		6	14	20	
Single-Unit Truck (2 axles)															1	1					
Single-Unit Truck (3 or more axles)													1		1				1	1	
School Bus																					
Truck/Trailer							1	1							1	1			4	4	
Truck-Tractor (bobtail)			1	1																	
Truck-Tractor/Semi-Trailer	1	2	1	4		1	3	4						4	1	5		3	9	12	
Truck-Tractor/Double																					
Truck-Tractor/Triple																					
Bus/Large Van (9-15 seats)																					
Bus (16+ seats)																					
Motorcycle																					
Motor Scooter/Moped																					
Motor Home																					
Farm Machinery																				1	1
ATV						1		1											1	1	1
Sport Utility Vehicle (SUV)		1		1		1		1		2	1	3		1		1		1	1	2	
Passenger Van		1		1							1	1									
Truck More Than 10,000 lbs.										1		1									
Van (10,000 lbs. or less)							1	1													
Other															1	1				1	1
Total	1	10	10	21		9	11	20		5	8	13	1	10	14	25		12	33	45	
Percent	0.4	4.2	4.2	8.8		3.8	4.6	8.4		2.1	3.3	5.4	0.4	4.2	5.9	10.5		5.0	13.8	18.8	

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

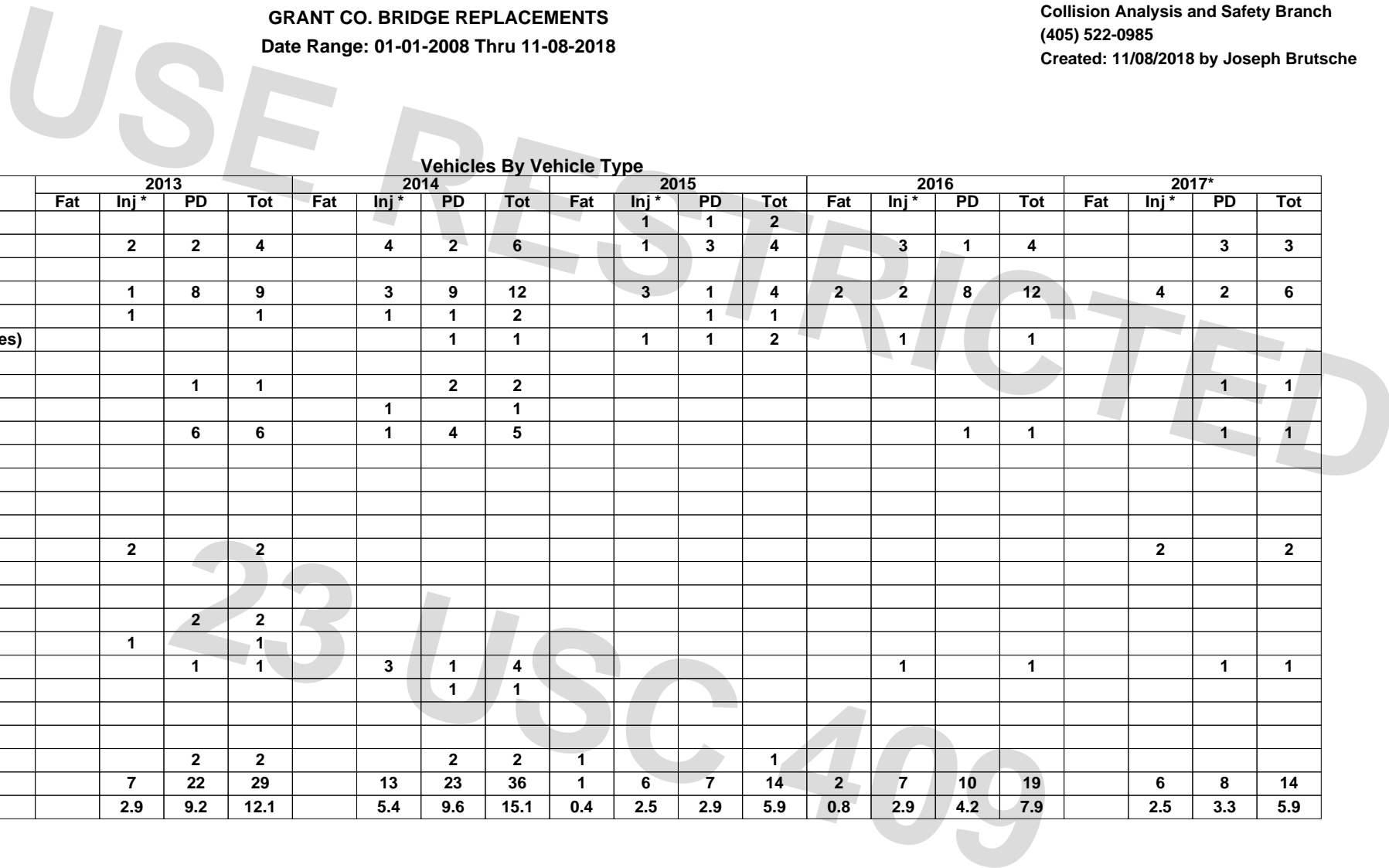


TABULATION OF COLLISIONS

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

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Vehicles By Vehicle Type

Vehicle Type	2013				2014				2015				2016				2017*			
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot
Passenger Vehicle-2 Door									1	1	2									
Passenger Vehicle-4 Door		2	2	4		4	2	6	1	3	4		3	1	4				3	3
Passenger Vehicle-Convertible																				
Pickup Truck		1	8	9		3	9	12	3	1	4	2	2	8	12	4	2	6		
Single-Unit Truck (2 axles)		1		1		1	1	2		1	1									
Single-Unit Truck (3 or more axles)							1	1	1	1	2		1		1					
School Bus																				
Truck/Trailer			1	1			2	2											1	1
Truck-Tractor (bobtail)						1		1												
Truck-Tractor/Semi-Trailer			6	6		1	4	5						1	1				1	1
Truck-Tractor/Double																				
Truck-Tractor/Triple																				
Bus/Large Van (9-15 seats)																				
Bus (16+ seats)																				
Motorcycle		2		2															2	2
Motor Scooter/Moped																				
Motor Home																				
Farm Machinery			2	2																
ATV		1		1																
Sport Utility Vehicle (SUV)			1	1		3	1	4					1		1				1	1
Passenger Van							1	1												
Truck More Than 10,000 lbs.																				
Van (10,000 lbs. or less)																				
Other			2	2			2	2	1		1									
Total		7	22	29		13	23	36	1	6	7	14	2	7	10	19		6	8	14
Percent		2.9	9.2	12.1		5.4	9.6	15.1	0.4	2.5	2.9	5.9	0.8	2.9	4.2	7.9		2.5	3.3	5.9

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



TABULATION OF COLLISIONS

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

Program Provided by:
 Traffic Engineering Division
 Collision Analysis and Safety Branch
 (405) 522-0985
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Vehicles By Vehicle Type

Vehicle Type	2018*				Total				
	Fat	Inj *	PD	Tot	Fat	Inj *	PD	Tot	Pct
Passenger Vehicle-2 Door						1	1	2	0.8
Passenger Vehicle-4 Door		1		1		17	18	35	14.6
Passenger Vehicle-Convertible									
Pickup Truck					2	33	67	102	42.7
Single-Unit Truck (2 axles)						2	3	5	2.1
Single-Unit Truck (3 or more axles)					1	2	3	6	2.5
School Bus									
Truck/Trailer							10	10	4.2
Truck-Tractor (bobtail)						1	1	2	0.8
Truck-Tractor/Semi-Trailer					1	11	26	38	15.9
Truck-Tractor/Double									
Truck-Tractor/Triple									
Bus/Large Van (9-15 seats)									
Bus (16+ seats)									
Motorcycle						4		4	1.7
Motor Scooter/Moped									
Motor Home									
Farm Machinery							3	3	1.3
ATV						3		3	1.3
Sport Utility Vehicle (SUV)			1	1		10	6	16	6.7
Passenger Van						1	2	3	1.3
Truck More Than 10,000 lbs.						1		1	0.4
Van (10,000 lbs. or less)			1	1			2	2	0.8
Other					1		6	7	2.9
Total		1	2	3	5	86	148	239	100
Percent		0.4	0.8	1.3	2.1	36.0	61.9	100	

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TABULATION OF COLLISIONS

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

Program Provided by:
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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		1	1	1		1	1	1	1		1	1	1	1	2	2	2	2	1	2	23	11.7		
Monday	1		1			1	1	2			2	2		2	2	4	2	1	4		1		2		28	14.2		
Tuesday				1	2	2	3	1	1	2	2		2	3	3		1	1	1			4			29	14.7		
Wednesday	1				1	1	1		2		4	2	3	1				2		2	3	1			24	12.2		
Thursday	1					1	1	1	1	2	2		1		3	2	2	2	1	1	2	1	2	3	29	14.7		
Friday			1	1		1			1	2	3	2	2	2	1	2	2	1	5		1	2	1	1	31	15.7		
Saturday	1	1	2	1	1	1	3	1		2		3	1	1	1	2	1	2	2	2	2	2		1	33	16.8		
	Early Morning - Sunrise						Morning Peak						Mid Morning/Afternoon						PM Peak			Evening - Late Night					Tot	
Total	26						21						62						30			58					197	
Percent	13.2						10.7						31.5						15.2			29.4					100	

Roadway/Lighting

Roadway Conditions	Lighting Conditions					Total	Percent
	Daylight	Darkness	Twilight	Lighted	Unknown		
Dry	92	56	11		1	160	81.2
Wet (Water)	4	5	1			10	5.1
Ice, Snow, or Slush	3	3				6	3.0
Mud, Dirt, Gravel, or Sand	15	2				17	8.6
Other	2				2	4	2.0
Total	116	66	12		3	197	100
Percent	58.9	33.5	6.1		1.5	100	

Weather Conditions

Weather Conditions	Total	Percent
Clear	91	46.2
Clouds Present	83	42.1
Raining/Fog	15	7.6
Snowing/Sleet/Hail	3	1.5
Other	5	2.5
Total	197	100



TABULATION OF COLLISIONS

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

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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		6	6														1	1		7	7	14	5.8
Failed to Stop		1														1			1	1		2	0.8
Failed to Signal																							
Improper Turn			6															1			7	7	2.9
Improper Start																							
Improper Stop																							
Improper Backing			4																		4	4	1.7
Improper Parking			1																		1	1	0.4
Improper Passing		1	5																1		5	6	2.5
Improper Lane Change																		1			1	1	0.4
Left of Center		1	4														1			2	4	6	2.5
Following Too Close		2	5																	2	5	7	2.9
Unsafe Speed	1	22	34			1									1	7	3		2	29	38	69	28.8
DWI					5	4		1	1				2	1						8	6	14	5.8
Inattention	1	16	12		1					5	4								1	22	16	39	16.3
Negligent Driving		1																		1		1	0.4
Defective Vehicle		2																1		2	1	3	1.3
Wrong Way																							
No Improper Action		15	38														1			16	38	54	22.5
Other		2	6				1										1	2	1	3	8	12	5.0
Total	2	69	121		6	5	1	1	1	5	4		2	1	2	11	9	5	94	141	240	100	
Percent	0.8	28.8	50.4		2.5	2.1	0.4	0.4	0.4	2.1	1.7		0.8	0.4	0.8	4.6	3.8	2.1	39.2	58.8	100		

Severities Indicate Highest Severity in Collision

Collisions By Special Feature

Special Feature	Total			
	Fat	Inj *	PD	Tot
Bridge		8	8	16
Work Zone		1	1	2
Cross Median				
Train Collision	1		1	2

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



STUDY CRITERIA

GRANT CO. BRIDGE REPLACEMENTS

Date Range: 01-01-2008 Thru 11-08-2018

Program Provided by:
 Traffic Engineering Division
 Collision Analysis and Safety Branch
 (405) 522-0985
 Created: 11/08/2018 by Joseph Brutsche

ROADWAY / REGION

QUERY OVER		SELECTIONS	
County	County: 27		

DATE

Date Range	01-01-2008 to 11-08-2018
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FILTER COLLISIONS

Roadway Type	County Rd. Data Only
Incl. Crashes Assoc. w/ Every Int.	Checked
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)

23 USC 409