



Highway Safety Crash Analysis Unit

2021

Types of Crash Study Requests

Crash Study Request Form (NDOT312)

- ❖ Submit requests a minimum of four weeks before information is required
- ❖ Send requests to James Scott
(James.Scott@Nebraska.Gov)
- ❖ CC: Christina Yates
(Christina.M.Yates@Nebraska.Gov)
- ❖ Can be found on DOT Spot – Search for 'NDOT312'

Crash Analysis Unit, Highway Safety, Room B14

Email to: James Scott (james.scott@nebraska.gov) and cc: Christina Yates (christina.m.yates@nebraska.gov)

Crash Study Request Form

Please submit requests a minimum of **four weeks** before information is required.

All fields in **red** are required.

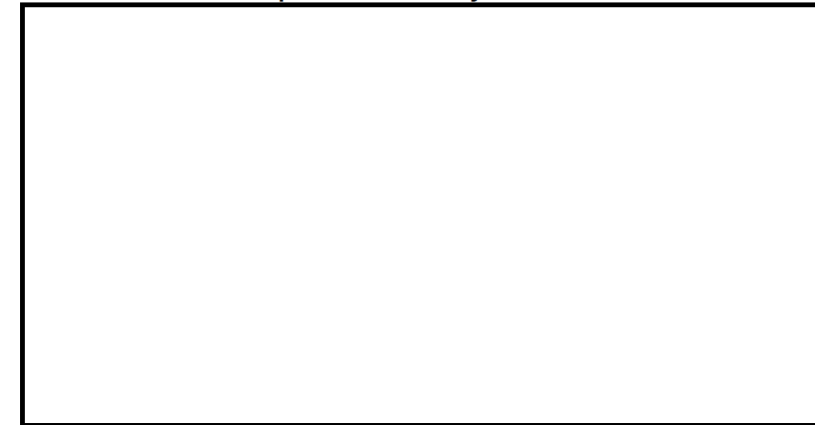
Location: County: **█** City: _____ Highway/Road: **█**
Ref. Post: _____
Project No.: _____ Control No.: _____
Project Name: _____
Period Included: All Crashes: Latest _____ Years **OR** From: _____ To: _____
Requested By: Division or District: _____ Date: **█**
Name: **█** Phone No.: **█** Date Needed By: **█**

Crash Studies Requested

Check OnBase (*Control No./Hwy. Safety folder*) for existing reports before submitting a request.

- | | |
|--|--|
| <input type="checkbox"/> List of Crashes (<i>Includes Associated Data</i>)
(Crash Database Query) | <input type="checkbox"/> Crash Rate Analysis (<i>Location vs. Statewide Rate</i>)
(Based on traffic volume and number of crashes) |
| <input type="checkbox"/> Crash Diagram
(Detailed drawing of crash location and crashes) | <input type="checkbox"/> Crash Reports
(Copy of investigator crash reports) |
| <input type="checkbox"/> Spot Map
(Line Drawing with crash location spots) | <input type="checkbox"/> Crash Summary
(Sum of crashes by severity and year) |

Map of Crash Study Location



Special Instructions:

List of Crashes

❖ Conducted for All Requests

❖ Crash information Provided:

- Key Number
- Date
- Day of Week
- Time
- Hwy/Route
- Reference Post
- Severity/Injury Level
- First Harmful Event
- Weather
- Light Condition
- Road Surface Condition
- Alcohol Related (Y/N)

❖ Data Sorted by Date or Reference Post

❖ Crash Totals:

- Number of Crashes
- Number of Injuries/Fatalities

CRASH QUERY LIST
 District 2
 Douglas County - Omaha
 Intsx. of US-275 ('L' St.), RP 183.25 & 96th St.
 Crash Dates: 1-1-2018 thru 12-31-2020

CRASHES LISTED IN DATE ORDER

NDOT Crash Key	Crash Date	Week day	Mil. Time	Ref. Post Num	Crash Location Description	Crash Sev	Num. Injured	Num. Fatal	Weather	Light Cond	Multi Vehicle Crash Type	First Harmful Event	Road Surf Cond	Alco Rel?
<u>Intsx. of US-275 ('L' St.), RP 183.25 & 96th St.</u>														
218005244	1/31/2018	WED	2104	183.250	"L" ST(US275) & 96TH ST	INJ-B	2	0	Clear	Dark	Angle	MV transprt	Dry	Y
218013575	3/26/2018	MON	1407	183.250	"L" ST(US275) AT 96TH ST	N-R	0	0	Rain	Light	Rear-end	MV transprt	Wet	N
218013962	3/29/2018	THU	1835	183.250	96TH ST AT "L" ST(US275)	PDO	0	0	Cloudy	Light	Rear-end	MV transprt	Dry	N
218015089	4/4/2018	WED	2200	183.250	"L" ST(US275) & 96TH ST	N-R	0	0	Clear	Dark	LT Leavng	MV transprt	Dry	N
218019693	5/10/2018	THU	1630	183.250	"L" ST(US275) AT 96TH ST	PDO	0	0	Clear	Light	Rear-end	MV transprt	Dry	N
218024806	6/14/2018	THU	1240	183.250	"L" ST(US275) AT 96TH ST	PDO	0	0	Clear	Light	Rear-end	MV transprt	Dry	N
218033516	8/15/2018	WED	0755	183.250	"L" ST(US275) AT 96TH ST	N-R	0	0	Rain	Light	Rear-end	MV transprt	Wet	N
218033754	8/16/2018	THU	1655	183.250	"L" ST(US275) AT 96TH ST	N-R	0	0	Cloudy	Light	Rear-end	MV transprt	Dry	N
218033928	8/17/2018	FRI	1354	183.250	"L" ST(US275) & 96TH ST	INJ-C	2	0	Clear	Light	LT Leavng	MV transprt	Dry	N
218043052	10/7/2018	SUN	1100	183.250	"L" ST(US275) & 96TH ST	N-R	0	0	Cloudy	Light	LT Leavng	MV transprt	Dry	N
219002128	1/14/2019	MON	1648	183.250	96TH ST AT "L" ST(US275)	N-R	0	0	Unknown	Light	Rear-end	MV transprt	Unk	N
219002028	1/15/2019	TUE	1846	183.250	"L" ST(US275) AT 96TH ST	PDO	0	0	Clear	Dark	Rear-end	MV transprt	Dry	N
219003826	1/26/2019	SAT	0655	183.250	96TH ST AT "L" ST(US275)	N-R	0	0	Cloudy	Dark	Rear-end	MV transprt	Sno	N
219004847	2/2/2019	SAT	0948	183.250	96TH ST AT "L" ST(US275)	N-R	0	0	Cloudy	Light	Rear-end	MV transprt	Wet	N
219013268	3/21/2019	THU	1454	183.250	"L" ST(US275) AT 96TH ST	PDO	0	0	Clear	Light	Rear-end	MV transprt	Dry	N
219014315	3/31/2019	SUN	0236	183.250	96TH ST AT "L" ST(US275)	INJ-B	3	0	Clear	Dark	Rear-end	MV transprt	Dry	Y
219016214	4/13/2019	SAT	1504	183.250	96TH ST AT "L" ST(US275)	N-R	0	0	Clear	Light	SS (same)	MV transprt	Dry	N
219017804	4/23/2019	TUE	1355	183.250	"L" ST(US275) & 96TH ST	N-R	0	0	Clear	Light	LT Leavng	MV transprt	Dry	N
219019282	5/6/2019	MON	1049	183.250	"L" ST(US275) AT 96TH ST	PDO	0	0	Clear	Light	Rear-end	MV transprt	Dry	N
219024304	6/9/2019	SUN	1855	183.250	"L" ST(US275) AT 96TH ST	PDO	0	0	Clear	Light	Rear-end	MV transprt	Dry	N
219027273	6/27/2019	THU	1611	183.250	"L" ST(US275) AT 96TH ST	PDO	0	0	Clear	Light	Rear-end	MV transprt	Dry	N
219029834	7/3/2019	WED	1615	183.250	"L" ST(US275) AT 96TH ST	INJ-C	1	0	Clear	Light	Rear-end	MV transprt	Dry	N
219041174	9/30/2019	MON	0001	183.250	"L" ST(US275) & 96TH ST	PDO	0	0	Clear	Light	LT Leavng	MV transprt	Dry	N
219043942	10/15/2019	TUE	0647	183.250	"L" ST(US275) AT 96TH ST	PDO	0	0	Cloudy	Dawn	Rear-end	MV transprt	Dry	N
219051330	11/28/2019	THU	1825	183.250	"L" ST(US275) & 96TH ST	PDO	0	0	Cloudy	Dark	Angle	MV transprt	Wet	N
220006597	2/12/2020	WED	1335	183.250	96TH ST AT "L" ST(US275)	N-R	0	0	Cloudy	Light	Rear-end	MV transprt	Dry	N
220009659	3/6/2020	FRI	0240	183.250	"L" ST(US275) & 96TH ST	INJ-C	1	0	Clear	Dark	LT Leavng	MV transprt	Dry	N

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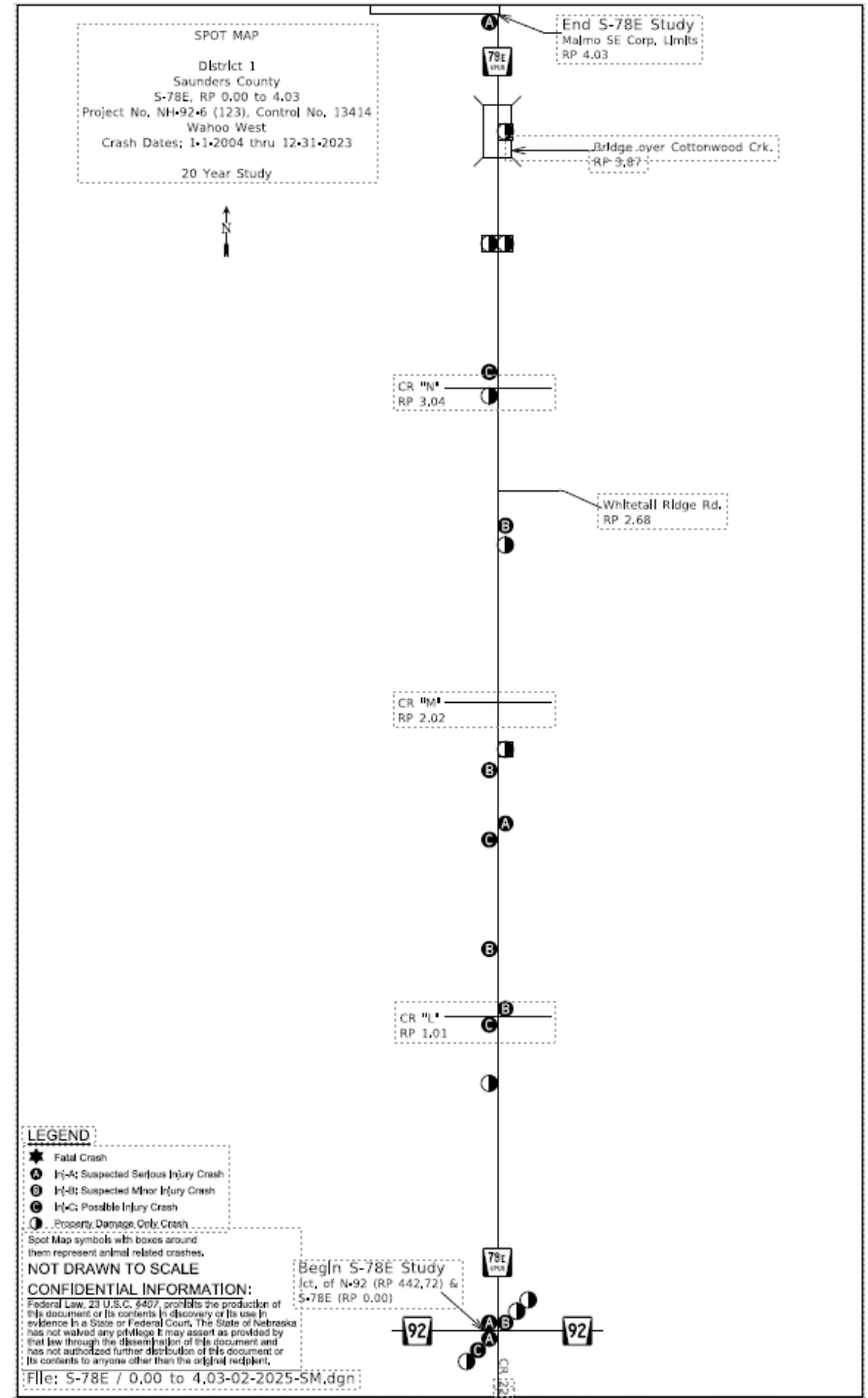
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Spot Map

- ❖ Aerial view of crashes over a large area
- ❖ Typically for a sequence of intersections or a segment length
- ❖ Crash Information Shown (Limited):
 - Location
 - Crash Severity Level
 - Direction of Travel for Driver at Fault



Crash Diagram

- ❖ Aerial view of crashes over a small area
- ❖ Typically for a single intersection
 - All Driveways/Private Entrances
 - Pavement Markings
 - Signing & Signals
 - AADTs & Speed Limits
 - Street Names
- ❖ Crash Information Shown (Expanded):
 - Crash Location at Intersection
 - Date
 - Time
 - Light Condition
 - Road Surface Condition
 - Severity/Injury Level
 - First Harmful Event
 - Pedestrian or Cyclist
 - Alcohol Related & BAC Level
 - Misc. Notes on Crash



Crash Rate Analysis

- ❖ Crash Summary for Intersection or Segment (Corridor Study):
 - Number of Total Crashes
 - Number of Each Severity/Injury Crashes
 - Comparison Crash Rate to Statewide Avg.
 - Location Crash Rate Provided:
 - Roadway Classification (Interstate, Expwy, etc.)
 - Number of Travel Lanes
 - Area Type: Urban or Rural
 - Roadway Configuration Type (Junction, Intersection, or Section/Segment)
 - Junction measured in MV (million vehicles)
 - Segment measured in MVM (million vehicle miles)
 - Corridor Study has paragraph summary for each intersection or change in roadway environment
 - Corporate Limit Change
 - Roadway Geometric Change (Ex. Going from 2 thru lanes to 4), etc.

CRASH RATE ANALYSIS

District 6 & 4
Buffalo County
US-30, RP 274.99 to 276.73
Crash Dates: 1-1-2018 thru 12-31-2020

3 Year Study

During the above stated time period, this section of US-30 experienced a total of ten crashes. five non-fatal injury crashes resulting in injury to six people. Five were reportable property damage only crashes.

US-30, RP 274.99 (Begin US-30 Study) to 276.00 (Kearney E Corp Limits)

During the above stated time period, this section of US-30 experienced a total of four crashes. Of these, two were non-fatal injury crashes resulting in injury to two people. Two were reportable property damage only crashes. The crash rate is 0.157 reportable crashes/mvm (crashes/million vehicle miles). This compares to the statewide average rate of 3.285 reportable crashes/mvm for a four-lane urban highway section.

Jct of US-30 (RP 276.00) & L-10F (RP 0.00)

During the above stated time period, this junction of US-30 and L-10F experienced a total of seven crashes. Of these, five were non-fatal injury crashes resulting in injury to six people. Two were reportable property damage only crashes. The crash rate is 0.232 reportable crashes/mv (crashes/million vehicles). This compares to the statewide average rate of 0.504 reportable crashes/mv for a four-lane urban highway junction.

US-30, RP 276.00 to 276.13 (Kearney E Corp Limits)

During the above stated time period, this section of US-30 experienced no crashes. No crash rate was calculated.

US-30, RP 276.13 to 276.39

During the above stated time period, this section of US-30 experienced no crashes. No crash rate was calculated.

US-30, RP 276.39 to 276.73 (End US-30 Study)

During the above stated time period, this section of US-30 experienced three reportable property damage only crashes. The crash rate is 0.933 reportable crashes/mvm. This compares to the statewide average rate of 0.606 reportable crashes/mvm for a two-lane rural highway section.

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Crash Reports

❖ Copy of the Investigator's Crash Report (PDF)

❖ Driver Reports are not shared

State of Nebraska
Investigator's Motor Vehicle Crash Report

Sheet 1 of 2

TOTAL NO. OF VEHICLES 1		LOCAL NO./DISTRICT NB0560000	AGENCY CASE NO. 21000631	PHOTOGRAPHS TAKEN? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	INVESTIGATION MADE AT SCENE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
DATE OF CRASH	01/21/2021	TIME OF CRASH (Military Time)	1925	TIME OF ROADWAY CLEARANCE	1925
PLACE OF CRASH	COUNTY 15 CITY	ROAD ON WHICH CRASH OCCURRED	STREET/HIGHWAY NO. Hwy 30	SECONDARY CRASH? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	LATITUDE
DISTANCE FROM MILEPOST	FEET 100.0	OF MILEPOST	188	PRIVATE PROPERTY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	LONGITUDE
NAME OF INTERSECTING ROADWAY			IF NOT AT INTERSECTION		
IF AT INTERSECTION			IF CRASH WAS OUTSIDE CITY LIMITS, INDICATE DISTANCE FROM NEAREST TOWN		
MILES 2.0			OF NEAREST CITY OR TOWN Maxwell		
CRASH DATA					
DOES CRASH INVOLVE DAMAGE TO NEBRASKA DEPT. OF TRANSPORTATION PROPERTY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	TYPE OF INTERSECTION	CONTRIBUTING CIRCUMSTANCES — ROADWAY ENVIRONMENT	WORK ZONE		
RELATION TO JUNCTION	Number of Approaches	(up to 2 choices)	Was the crash in a construction, maintenance or utility work zone, or was it related to an activity within a work zone?		
01 - Yes	01 - Not at Intersection	00 - None	01 - Yes		
02 - No	02 - Two (2)	01 - Absence of Sidewalks	02 - No		
99 - Unknown	03 - Three (3)	02 - Animal(s)	99 - Unknown		
Specific Junction Location	04 - Four (4)	03 - Prior Crash	Workers Present?		
00 - Non-Junction	05 - Five or more (5+)	04 - Prior Non-Recurring Incident	01 - Yes		
01 - Acceleration/Deceleration Lane	Overall Intersection Geometry	05 - Backup Dur to Regular Congestion	02 - No		
02 - Crossover Related	01 - Angled/Skewed Y	06 - Debris	99 - Unknown		
03 - Driveway Access or Related	02 - Roundabout/Traffic Circle O	07 - Glare	Type of Work Zone		
04 - Entrance/Exit Ramp or Related	03 - Perpendicular + or T	08 - Obstructed Crosswalks	01 - Intermittent or Moving Work		
05 - Intersection or Related	04 - Perpendicular + or T	09 - Non-Highway Work	02 - Lane Closure		
06 - Railway Grade Crossing	05 - Yield	10 - Obstruction in Roadway	03 - Lane Shift/Crossover		
07 - Shared Use Path or Trail	97 - Not Applicable	11 - Related to a Bus Stop	04 - Work on Shoulder or Median		
08 - Other Location (median, shoulder or roadside)	WEATHER CONDITIONS	12 - Road Surface Condition	05 - Termination Area		
99 - Unknown	(up to 2 choices)	(wet, icy, snow, slush, etc.)	07 - Not Applicable		
ROADWAY SURFACE CONDITION	01 - Blowing Sand, Soil, Dirt	13 - Roadway Width Restricted	98 - Other		
01 - Dry	02 - Blowing Snow	14 - Ruts, Holes, Bumps	99 - Unknown		
02 - Ice/Frost	03 - Clear	15 - Shoulders (none, low, soft, high)	Location of the Crash		
03 - Mud, Dirt, Gravel	04 - Cloudy	16 - Toll Booth/Plaza Related	01 - Before Work Zone Warning Sign		
04 - Oil	05 - Fog, Smog, Smoke	17 - Traffic Control Device	02 - Advance Warning Area		
05 - Sand	06 - Freezing Rain/Drizzle	18 - Traffic Incident	03 - Transition Area		
06 - Slush	07 - Rain	19 - Visual Obstruction(s)	04 - Activity Area		
07 - Snow	08 - Severe Crosswinds	20 - Weather Conditions	05 - Termination Area		
08 - Water (standing, moving)	09 - Sleet or Hail	21 - Work Zone (construction/maintenance/utility)	07 - Not Applicable		
09 - Wet	10 - Snow	22 - Worn, Travel-Polished Surface	98 - Other		
98 - Other	98 - Other	99 - Unknown	99 - Unknown		
99 - Unknown	99 - Unknown	MANNER OF CRASH / COLLISION IMPACT	Location of the Crash		
ROADWAY SURFACE	LIGHT CONDITION	00 - Not a Collision Between Two Motor Vehicles	01 - Officer Present		
01 - Asphalt	01 - Daylight	01 - Angle	02 - Not Present		
02 - Brick	02 - Dawn/Dusk	02 - Front-to-Front	03 - Only Law Enforcement Vehicle Present		
03 - Concrete	03 - Dark-Lighted	03 - Front-to-Rear	97 - Not Applicable		
04 - Dirt	04 - Dark-Not Lighted	04 - Rear-to-Rear	99 - Unknown		
05 - Gravel	05 - Dark-Unk. Lighting	05 - Rear-to-Side	SCHOOL BUS RELATED		
98 - Other	98 - Other	06 - Sideswipe-Opposite Direction	00 - No		
99 - Unknown	99 - Unknown	07 - Sideswipe-Same Direction	01 - School Bus Directly Involved		
		98 - Other	02 - School Bus Indirectly Involved		
		99 - Unknown	99 - Unknown		
PROPERTY	OBJECT DAMAGED	OWNER NAME	ADDRESS	PHONE	APPROX. COST OF DAMAGE
				() -	\$
				() -	\$
WITNESSES	NAME	ADDRESS	PHONE		
			() -		
			() -		
OFFICER NO.	TROOP/TEAM/BEAT	DEPARTMENT			
91519		LINCOLN COUNTY SHERIFF'S OFFICE			
INVESTIGATOR NAME (Print or Type)	INVESTIGATOR SIGNATURE	DATE OF REPORT			
Wood, Tiffany L		01 / 21 / 2021			

Crash Summary

❖ A Count of Crashes by Year and Crash Severity

CRASH SUMMARY
Saunders County
Multiple Locations on US-77
Crash Dates: 1-1-2016 thru 12-31-2020

S Jct of US-77 (RP 95.05) and N-109 (RP 0.00)

Year	Fatal Crashes	# Killed	# Injured	Inj-A Crashes	# Injured	Inj-B Crashes	# Injured	Inj-C Crashes	# Injured	PDO	N/R	Total Crashes	Total Killed	Total Inj
2016						1	2	1	3	3		5	0	5
2017						1	5	1	2	2		4	0	7
2018								1	1		1	2	0	1
2019								3	5	1	1	5	0	5
2020						1	2				2	3	0	2
Totals	0	0	0	0	0	3	9	6	11	6	4	19	0	20

S Jct of US-77 (RP 95.05) and N-64 (RP 47.22)

Year	Fatal Crashes	# Killed	# Injured	Inj-A Crashes	# Injured	Inj-B Crashes	# Injured	Inj-C Crashes	# Injured	PDO	N/R	Total Crashes	Total Killed	Total Inj
2016						2	3					2	0	3
2017												0	0	0
2018												0	0	0
2019												0	0	0
2020				2	3					1		3	0	3
Totals	0	0	0	2	3	2	3	0	0	1	0	5	0	6

Intsx of US-77 (RP 100.13) and CR 11

Year	Fatal Crashes	# Killed	# Injured	Inj-A Crashes	# Injured	Inj-B Crashes	# Injured	Inj-C Crashes	# Injured	PDO	N/R	Total Crashes	Total Killed	Total Inj
2016												0	0	0
2017												0	0	0
2018										1		1	0	0
2019										1		1	0	0
2020										3	1	4	0	0
Totals	0	0	0	0	0	0	0	0	0	5	1	6	0	0

Intsx of US-77 (RP 107.18) and CR 'T'

Year	Fatal Crashes	# Killed	# Injured	Inj-A Crashes	# Injured	Inj-B Crashes	# Injured	Inj-C Crashes	# Injured	PDO	N/R	Total Crashes	Total Killed	Total Inj
2016										1		1	0	0
2017												0	0	0
2018												0	0	0
2019								1	1			1	0	1
2020												0	0	0
Totals	0	0	0	0	0	0	0	1	1	1	0	2	0	1

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