

US 70 Corridor Commission

Crash Summary for 2013 - 2015

COUNTY	SEGMENT	LENGTH (miles)	AADT (veh/day)	CRASHES	CRASH RATE (100MVMТ)
JOHNSTON	I-40 to US 70BUS*	8.97	26300	165	63.89
	US 70 BUS to Selma Bypass	7.62	24100	186	92.50
	Selma Bypass*	2.90	16000	29	57.14
	Pine Level to Goldsboro	18.51	24700	645	128.81
WAYNE	MLK Expressway*	4.27	43800	210	102.52
	Goldsboro to LaGrange	8.35	23000	285	135.61
	LaGrange Bypass*	4.07	16700	58	77.87
LENOIR	Little Baltimore to Dover	19.40	18500	597	151.93
	Dover To New Bern*	26.32	16400	369	78.06
JONES					
CRAVEN	James City to Havelock	19.41	29300	960	154.13
	Newport Area	7.76	25100	244	114.40
CARTERET	Morehead City Area	7.65	28800	602	249.53
	ENTIRE CORRIDOR	135.23	23300	4350	126.08

Notes:

* Freeway Segments

1. PVA, PP, and some unable to milepost crashes were excluded.
2. Crash rate is reported as number of crashes per 100 million vehicle miles traveled.

MORE CORRIDOR CRASH DATA

SEVERITY

Fatal Crashes: 27 fatalities in 25 crashes

0.57% of all crashes

0.7825 fatalities per 100MVMТ

Non-fatal Injuries: 2,020

Property Damage Costs: \$20.17 million

TYPES

The **top five crash types** are:

- 1) rear end (1594 total, 36.64%)
- 2) lane departure (866 total, 19.91%)
- 3) frontal impact (752 total, 17.29%)
- 4) sideswipe (446 total, 10.25%)
- 5) animal (417 total, 9.59%)

US 70 FATALITY CRASH COMPARISON, 2013-2015

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	14	15	0.51	0.55
US 70	Clayton to Morehead City	25	27	0.73	0.79

100MVMT: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 144% higher than I-40.

Johnston County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADT (veh/day)	Crashes	Crash Rate* (100MVMT)	Statewide Crash Rates** (100MVMT)
Johnston	Wake County Line to Wayne County Line				617	83.48	--
	Rural	No/Partial	16.82	22,500	408	98.45	83.33/64.28
		Full	12.51	23,700	209	64.38	61.36

* Crash Rate is reported as number of crashes per 100 million vehicle miles traveled.

** Source: <https://connect.ncdot.gov/resources/safety/Documents/Crash%20Data%20and%20Information/2014%20Crash%20Rates.pdf>

CRASH SEVERITY

Fatal Crashes: 4 fatalities in 4 crashes

0.65% of all crashes

0.54 fatalities per 100MVMT

Non-fatal Injuries: 234

Property Damage Costs: \$3.07 million

CRASH TYPES

The **top five crash types** are:

- 1) lane departure (226 total, 36.63%)
- 2) rear end (117 total, 18.96%)
- 3) animal (79 total, 12.80%)
- 4) sideswipe (66 total, 10.70%)
- 5) frontal impact (65 total, 10.53%)

Potentially Hazardous Crash Areas as identified by the 2016 NC Highway Safety Improvement Program

- Intersections
 - Swift Creek Road (Wilson's Mills): 34 crashes, high severity index
 - Davis Mill Road (Pine Level): 24 crashes, moderate severity index
 - Country Store Road (Pine Level): 36 crashes, high severity index
 - US 70A/Edwards Street (Princeton): 26 crashes, moderate severity index, ***Possible Loop***
 - Rains Mill Road/Pine Street (Princeton): 25 crashes, high severity index
- Segments
 - In the vicinity of Buffalo Road: 26 crashes, low severity index

US 70 FATALITY CRASH COMPARISON, 2013-2015

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	14	15	0.51	0.55
US 70	Clayton to Morehead City	25	27	0.73	0.79

100MVMT: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 144% higher than I-40.

Wayne County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADT (veh/day)	Crashes	Crash Rate* (100MVMT)	Statewide Crash Rates** (100MVMT)
Wayne	Johnston County Line to Lenoir County Line				903	131.48	--
	Rural	No/Partial	13.33	24,500	419	117.18	83.33/64.28
	Urban	No/Partial	5.83	34,600	379	171.59	283.91/172.26
		Full	2.13	46,400	105	96.89	74.85

* Crash Rate is reported as number of crashes per 100 million vehicle miles traveled.

** (source: <https://connect.ncdot.gov/resources/safety/Documents/Crash%20Data%20and%20Information/2014%20Crash%20Rates.pdf>)

CRASH SEVERITY

Fatal Crashes: 10 fatalities in 9 crashes

1.00% of all crashes

1.45 fatalities per 100MVMT

Non-fatal Injuries: 470

Property Damage Costs: \$4.55 million

CRASH TYPES

The **top five crash types** are:

- 1) rear end (380 total, 42.08%)
- 2) lane departure (147 total, 16.28%)
- 3) sideswipe (132 total, 14.62%)
- 4) frontal impact (121 total, 13.40%)
- 5) animal (47 total, 5.20%)

Potentially Hazardous Crash Areas as identified by the 2016 NC Highway Safety Improvement Program

- Intersections
 - NC 111/Miller Chapel Road (Goldsboro): 29 crashes, moderate severity index
- Segments
 - None

US 70 FATALITY CRASH COMPARISON, 2013-2015

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	14	15	0.51	0.55
US 70	Clayton to Morehead City	25	27	0.73	0.79

100MVMT: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 144% higher than I-40.

Lenoir County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADT (veh/day)	Crashes	Crash Rate* (100MVMT)	Statewide Crash Rates** (100MVMT)
Lenoir	Wayne County Line to Jones County Line				596	140.40	--
	Rural	Full Control	4.07	16,700	58	77.87	61.36
		No/Partial	11.31	19,300	303	126.80	83.33/64.28
	Urban	No/Partial	4.16	24,400	235	211.58	283.91/172.26

* Crash Rate is reported as number of crashes per 100 million vehicle miles traveled.

** (source: <https://connect.ncdot.gov/resources/safety/Documents/Crash%20Data%20and%20Information/2014%20Crash%20Rates.pdf>)

CRASH SEVERITY

Fatal Crashes: 3 fatalities in 2 crashes

0.34% of all crashes

0.70 fatalities per 100MVMT

Non-fatal Injuries: 368

Property Damage Costs: \$2.98 million

CRASH TYPES

The **top five crash types** are:

- 1) rear end (183 total, 30.70%)
- 2) lane departure (143 total, 23.99%)
- 3) frontal impact (106 total, 17.79%)
- 4) animal (75 total, 12.58%)
- 5) sideswipe (57 total, 9.56%)

Potentially Hazardous Crash Areas as identified by the 2016 NC Highway Safety Improvement Program

- Intersections
 - Hill Farm Road (Kinston): 58 crashes, moderate severity index
 - Promised Land Road: 25 crashes, high severity index
 - NC 58: 28 crashes, moderate severity index, ***Possible Loop***
- Segments
 - In the vicinity of Banks School Road: 32 crashes, low severity index

US 70 FATALITY CRASH COMPARISON, 2013-2015

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	14	15	0.51	0.55
US 70	Clayton to Morehead City	25	27	0.73	0.79

100MVMT: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 144% higher than I-40.

Jones County US 70 Crash Data & Statistics

County	Setting	Access	Length (miles)	AADT (veh/day)	Crashes	Crash Rate* (100MVMT)	Statewide Crash Rates** (100MVMT)
Jones	Lenoir County Line to Craven County Line				114	101.81	--
	Rural	No/Partial	3.93	10,000	59	137.00	83.33/64.28
	Rural	Full	7.97	7,900	55	79.81	61.36

* Crash Rate is reported as number of crashes per 100 million vehicle miles traveled.

** (source: <https://connect.ncdot.gov/resources/safety/Documents/Crash%20Data%20and%20Information/2014%20Crash%20Rates.pdf>)

CRASH SEVERITY

Fatal Crashes: 0 fatalities in 0 crashes

0.00% of all crashes

0.00 fatalities per 100MVMT

Non-fatal Injuries: 31

Property Damage Costs: \$431,456

CRASH TYPES

The **top five crash types** are:

- 1) animal (47 total, 41.23%)
- 2) lane departure (45 total, 39.47%)
- 3) frontal impact (8 total, 7.02%)
- T-4) sideswipe (4 total, 3.51%)
- T-4) movable object (4 total, 3.51%)

Potentially Hazardous Crash Areas as identified by the 2016 NC Highway Safety Improvement Program

- Intersections
 - Wyse Fork Road: 24 crashes, moderate severity index
- Segments
 - None

US 70 FATALITY CRASH COMPARISON, 2013-2015

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	14	15	0.51	0.55
US 70	Clayton to Morehead City	25	27	0.73	0.79

100MVMT: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 144% higher than I-40.

Craven County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADT (veh/day)	Crashes	Crash Rate* (100MVMT)	Statewide Crash Rates** (100MVMT)
Craven	Jones County Line to Carteret County Line				1,274	118.11	--
	Rural	No/Partial	13.58	31,000	515	111.70	83.33/64.28
		Full	15.04	17,000	199	71.08	61.36
	Urban	No/Partial	5.83	28,700	445	242.80	283.91/172.26
		Full	3.32	42,500	115	74.48	74.85

* Crash Rate is reported as number of crashes per 100 million vehicle miles traveled.

** (source: <https://connect.ncdot.gov/resources/safety/Documents/Crash%20Data%20and%20Information/2014%20Crash%20Rates.pdf>)

CRASH SEVERITY

Fatal Crashes: 8 fatalities in 8 crashes

0.47% of all crashes

0.63 fatalities per 100MVMT

Non-fatal Injuries: 550

Property Damage Costs: \$5.47 million

CRASH TYPES

The **top five crash types** are:

- 1) rear end (529 total, 41.52%)
- 2) frontal impact (216 total, 16.95%)
- 3) lane departure (213 total, 16.72%)
- 4) animal (152 total, 11.93%)
- 5) sideswipe (105 total, 8.24%)

Potentially Hazardous Crash Areas as identified by the 2016 NC Highway Safety Improvement Program

- Intersections
 - Airport Road (James City): 52 crashes, moderate severity index
 - Garner Road (James City): 40 crashes, moderate severity index
- Segments
 - In the vicinity of Howell Road (James City): 15 crashes, high severity index
 - In the vicinity of Carolina Pines: 11 crashes, moderate severity index
 - In the vicinity of McCotter Blvd. (Havelock): 23 crashes, low severity index

US 70 FATALITY CRASH COMPARISON, 2013-2015

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	14	15	0.51	0.55
US 70	Clayton to Morehead City	25	27	0.73	0.79

100MVMT: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 144% higher than I-40.

Carteret County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADT (veh/day)	Crashes	Crash Rate* (100MVMT)	Statewide Crash Rates** (100MVMT)
Carteret	Craven County Line to Morehead City Port				846	186.17	--
	Rural	No/Partial	5.65	25,600	146	92.17	83.33/64.28
	Urban	No/Partial	9.76	27,700	700	236.48	283.91/172.26

* Crash Rate is reported as number of crashes per 100 million vehicle miles traveled.

** (source: <https://connect.ncdot.gov/resources/safety/Documents/Crash%20Data%20and%20Information/2014%20Crash%20Rates.pdf>)

CRASH SEVERITY

Fatal Crashes: 2 fatalities in 2 crashes

0.24% of all crashes

0.44 fatalities per 100MVMT

Non-fatal Injuries: 382

Property Damage Costs: \$3.67 million

CRASH TYPES

The **top five crash types** are:

- 1) rear end (382 total, 45.15%)
- 2) frontal impact (236 total, 27.90%)
- 3) lane departure (92 total, 10.87%)
- 4) sideswipe (82 total, 9.69%)
- T-5) animal (17 total, 2.01%)
- T-5) other (non-classified) (17 total, 2.01%)

Potentially Hazardous Crash Areas as identified by the 2016 NC Highway Safety Improvement Program

- Intersections
 - Roberts Road (Newport): 40 crashes, high severity index
 - Hibbs Road (Newport): 35 crashes, moderate severity index
 - McCabe Road (Morehead City): 26 crashes, moderate severity index
 - 24th Street (Morehead City): 37 crashes, high severity index
- Segments
 - None