

## US 70 Corridor Commission

<b>Crash Summary ----- 2011 - 2013</b>					
<b>County</b>	<b>Segment</b>	<b>Length (miles)</b>	<b>AADT (veh/day)</b>	<b>Crashes</b>	<b>Crash Rate (100MVMt)</b>
Johnston	<i>I-40 to US 70 BUS*</i>	8.97	26,300	140	54.20
	US 70 BUS to Selma Bypass	7.63	24,800	163	78.70
	<i>Selma Bypass*</i>	2.90	15,000	6	12.61
Wayne	Pine Level to Goldsboro	18.54	23,000	613	131.13
	<i>MLK Expressway*</i>	4.27	42,100	212	107.65
	Goldsboro to LaGrange	8.35	21,100	257	133.21
Lenoir	<i>LaGrange Bypass*</i>	4.08	17,800	55	69.21
Jones	Little Baltimore to Dover	19.23	19,700	557	134.35
	<i>Dover to New Bern*</i>	26.24	17,350	324	64.99
Craven	James City to Havelock	19.50	29,300	1,008	161.13
Carteret	Newport Area	7.77	23,500	207	103.48
	Morehead City Area	7.67	27,900	534	228.04
<b>Entire Corridor</b>		<b>135.13</b>	<b>23,100</b>	<b>4,076</b>	<b>119.25</b>

### Notes:

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

\* Freeway Segments

### MORE CORRIDOR CRASH DATA

#### CRASH SEVERITY

**Fatal Crashes:** 28 fatalities in 27 crashes  
 0.66% of all crashes  
 0.79 fatalities per 100MVMt  
**Non-fatal Injuries:** 1,967  
**Property Damage Costs:** \$18.89 million

#### CRASH TYPES

The **top five crash types** are:

- 1) rear end (1498 total, 36.8%)
- 2) lane departure (716 total, 17.6%)
- 3) frontal impact (671 total, 16.5%)
- 4) animal (413 total, 10.1%)
- 5) sideswipe (412 total, 10.1%)

## US 70 FATALITY CRASH COMPARISON, 2011-2013

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	5	6	0.17	0.21
US 70	Clayton to Morehead City	27	28	0.79	0.82

100MVMT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 465% higher than I-40.**

Johnston County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADT (veh/day)	Crashes	Crash Rate* (per 100MVMT)	Statewide Crash Rates** (per 100MVMT)
Johnston	Wake County Line to Wayne County Line				528	75.57	--
	Rural	No/Partial	17.47	22,800	382	87.56	123.43 - 125.52
		Full	11.87	20,200	146	47.82	77.55

\* 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/2011%20Crash%20Rates.pdf>)

### CRASH SEVERITY

**Fatal Crashes:** 5 fatalities in 5 crashes

0.95% of all crashes

0.72 fatalities per 100MVMT

**Non-fatal Injuries:** 247

**Property Damage Costs:** \$2.52 million

### CRASH TYPES

The **top five crash types** are:

- 1) lane departure (168 total, 31.8%)
- 2) rear end (106 total, 20.1%)
- 3) animal (78 total, 14.8%)
- 4) frontal impact (62 total, 11.7%)
- 5) sideswipe (53 total, 10.0%)

### Potentially Hazardous Crash Areas as identified by the 2014 NC Highway Safety Improvement Program

- Intersections
  - Davis Mill Road (Pine Level): 29 crashes, high severity index
  - Old Cornwallis Road (Princeton): 20 crashes, high severity index
- Segments
  - None

## US 70 FATALITY CRASH COMPARISON, 2011-2013

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	5	6	0.17	0.21
US 70	Clayton to Morehead City	27	28	0.79	0.82

100MVMT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 465% 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				863	137.19	--
	Rural	No/Partial	13.25	21,400	380	122.40	123.43 - 125.52
	Urban	No/Partial	5.94	33,200	384	177.71	172.49 - 313.25
		Full	2.12	44,200	99	96.39	91.97

\* 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/2011%20Crash%20Rates.pdf>)

#### CRASH SEVERITY

**Fatal Crashes:** 8 fatalities in 8 crashes

0.93% of all crashes

1.27 fatalities per 100MVMT

**Non-fatal Injuries:** 432

**Property Damage Costs:** \$4.07 million

#### CRASH TYPES

The **top five crash types** are:

- 1) rear end (344 total, 39.9%)
- 2) lane departure (152 total, 17.6%)
- 3) frontal impact (120 total, 13.9%)
- 4) sideswipe (113 total, 13.1%)
- 5) animal (49 total, 5.7%)

#### Potentially Hazardous Crash Areas as identified by the 2014 NC Highway Safety Improvement Program

- Intersections
  - NC 581: 61 crashes, low severity index
- Segments
  - None

## US 70 FATALITY CRASH COMPARISON, 2011-2013

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	5	6	0.17	0.21
US 70	Clayton to Morehead City	27	28	0.79	0.82

100MVMT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 465% 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				564	126.48	--
	Rural	Full Control	4.08	17,800	55	69.21	77.55
		No/Partial	11.29	20,900	311	120.41	123.43 - 125.52
	Urban	No/Partial	4.01	24,600	198	183.30	172.49 - 313.25

\* 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/2011%20Crash%20Rates.pdf>)

### CRASH SEVERITY

**Fatal Crashes:** 3 fatalities in 3 crashes

0.53% of all crashes

0.67 fatalities per 100MVMT

**Non-fatal Injuries:** 374

**Property Damage Costs:** \$3.47 million

### CRASH TYPES

The **top five crash types** are:

- 1) rear end (171 total, 30.3%)
- 2) frontal impact (109 total, 19.3%)
- 3) lane departure (93 total, 16.5%)
- 4) animal (85 total, 15.1%)
- 5) sideswipe (49 total, 8.7%)

### Potentially Hazardous Crash Areas as identified by the 2014 NC Highway Safety Improvement Program

- Intersections
  - Hill Farm Road (Kinston): 48 crashes, moderate severity index
  - US 258 (Kinston): 102 crashes, moderate severity index, \*\*\*Possible Loop\*\*\*
  - Promised Land Road: 27 crashes, high severity index
  - US 70 Business westbound: 33 crashes, moderate severity index, \*\*\*Possible Loop\*\*\*
- Segments
  - Banks School Road: 20 crashes, low severity index

## US 70 FATALITY CRASH COMPARISON, 2011-2013

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	5	6	0.17	0.21
US 70	Clayton to Morehead City	27	28	0.79	0.82

100MVMT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 465% 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	95.10	--
	Rural	No/Full	11.90	9,200	114	95.10	77.55 - 125.52

\* 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/2011%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:** 35

**Property Damage Costs:** \$427,750

### CRASH TYPES

The **top five crash types** are:

- 1) animal (59 total, 51.8%)
- 2) lane departure (36 total, 31.6%)
- 3) frontal impact (6 total, 5.3%)
- 4) sideswipe (6 total, 5.3%)
- 5) movable object (3 total, 2.6%)

### Potentially Hazardous Crash Areas as identified by the 2014 NC Highway Safety Improvement Program

- Intersections
  - None
- Segments
  - None

US 70 FATALITY CRASH COMPARISON, 2011-2013

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVT)	Fatality Rate (100MVT)
I-40	Raleigh to Wilmington	5	6	0.17	0.21
US 70	Clayton to Morehead City	27	28	0.79	0.82

100MVT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 465% higher than I-40.**

Craven County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADT (veh/day)	Crashes	Crash Rate* (100MVT)	Statewide Crash Rates** (100MVT)
Craven	Jones County Line to Carteret County Line				1,266	157.30	--
	Rural	No/Partial	14.23	29,700	511	110.46	123.43 - 125.52
		Full	14.12	16,000	125	50.53	77.55
	Urban	No/Partial	6.05	27,500	515	282.64	172.49 - 313.25
		Full	3.38	43,200	115	72.01	91.97

\* 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/2011%20Crash%20Rates.pdf>)

**CRASH SEVERITY**

**Fatal Crashes:** 9 fatalities in 8 crashes

0.63% of all crashes

1.12 fatalities per 100MVT

**Non-fatal Injuries:** 472

**Property Damage Costs:** \$5.25 million

**CRASH TYPES**

The **top five crash types** are:

- 1) rear end (539 total, 42.6%)
- 2) lane departure (202 total, 16.0%)
- 3) frontal impact (192 total, 15.2%)
- 4) animal (126 total, 10.0%)
- 5) sideswipe (107 total, 8.5%)

**Potentially Hazardous Crash Areas as identified by the 2014 NC Highway Safety Improvement Program**

- Intersections
  - Slocum Road (Havelock): 59 crashes, moderate severity index
  - Airport Road (James City): 41 crashes, moderate severity index
  - Garner Road (James City): 36 crashes, low severity index
- Segments
  - None

## US 70 FATALITY CRASH COMPARISON, 2011-2013

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	5	6	0.17	0.21
US 70	Clayton to Morehead City	27	28	0.79	0.82

100MVMT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 465% 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 Entrance				741	170.79	--
	Rural	No/Partial	3.98	22100	62	64.31	123.43 - 125.52
	Urban	No/Partial	11.46	26900	679	201.22	172.49 - 313.25

\* 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/2011%20Crash%20Rates.pdf>)

### CRASH SEVERITY

**Fatal Crashes:** 3 fatalities in 3 crashes

0.40% of all crashes

0.69 fatalities per 100MVMT

**Non-fatal Injuries:** 407

**Property Damage Costs:** \$3.16 million

### CRASH TYPES

The **top five crash types** are:

- 1) rear end (337 total, 45.5%)
- 2) frontal impact (182 total, 24.6%)
- 3) sideswipe (84 total, 11.3%)
- 4) lane departure (64 total, 8.6%)
- 5) animal (16 total, 2.2%)

### Potentially Hazardous Crash Areas as identified by the 2014 NC Highway Safety Improvement Program

- Intersections
  - Masontown Road (Newport): 35 crashes, most prior to median modification, high severity index
  - 24<sup>th</sup> Street (Morehead City): 31 crashes, moderate severity index
  - 23<sup>rd</sup> Street (Morehead City): 53 crashes, moderate severity index
  - Roberts Road (Newport): 30 crashes, moderate severity index
- Segments
  - None