

# US 70 Corridor Commission

## Crash Summary for 2012 - 2014

COUNTY	SEGMENT	LENGTH (miles)	AADT (veh/day)	CRASHES	CRASH_RATE (100MVMT)
JOHNSTON	I-40 to US 70BUS*	8.97	27000	162	61.10
	US 70 BUS to Selma Bypass	7.62	25400	176	83.04
	Selma Bypass*	2.90	16000	21	41.37
	Pine Level to Goldsboro	18.51	22900	630	135.70
WAYNE	MLK Expressway*	4.27	41600	195	100.23
	Goldsboro to LaGrange	8.35	21000	284	148.00
	LaGrange Bypass*	4.07	16400	53	72.46
LENOIR	Little Baltimore to Dover	19.40	18700	563	141.75
	Dover To New Bern*	26.32	17700	342	67.04
JONES					
CRAVEN	James City to Havelock	19.41	30300	997	154.78
	Newport Area	7.76	22500	217	113.50
CARTERET	Morehead City Area	7.65	26200	594	270.65
	<b>ENTIRE CORRIDOR</b>	<b>135.23</b>	<b>23100</b>	<b>4234</b>	<b>123.78</b>

### 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:** 34 fatalities in 32 crashes

0.76% of all crashes

0.998 fatalities per 100MVMT

**Non-fatal Injuries:** 1,989

**Property Damage Costs:** \$19.36 million

#### TYPES

The **top five crash types** are:

- 1) rear end (1558 total, 36.8%)
- 2) lane departure (825 total, 19.5%)
- 3) frontal impact (750 total, 17.7%)
- 4) sideswipe (418, 9.9%)
- 5) animal (401, 9.5%)

## US 70 FATALITY CRASH COMPARISON, 2012-2014

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	12	13	0.44	0.47
US 70	Clayton to Morehead City	32	34	0.94	0.99

100MVMT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 214% 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				581	76.59	--
	Rural	No/Partial	16.85	23,200	382	89.27	85.4/67.6
		Full	12.48	24,200	199	60.18	61.48

\* 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/2012%20Crash%20Rates.pdf>

### CRASH SEVERITY

**Fatal Crashes:** 6 fatalities in 6 crashes

1.03% of all crashes

0.79 fatalities per 100MVMT

**Non-fatal Injuries:** 237

**Property Damage Costs:** \$2.88 million

### CRASH TYPES

The **top five crash types** are:

- 1) lane departure (210 total, 36.1%)
- 2) rear end (109 total, 18.8%)
- 3) animal (81 total, 13.9%)
- 4) frontal impact (67 total, 11.5%)
- 5) sideswipe (57 total, 9.8%)

### Potentially Hazardous Crash Areas as identified by the 2015 NC Highway Safety Improvement Program

- Intersections
  - Davis Mill Road (Pine Level): 28 crashes, moderate severity index
  - Old Cornwallis Road (Princeton): 20 crashes, high severity index
  - Wilsons Mills Road (Wilsons Mills): 26 crashes, moderate severity index
- Segments
  - In the vicinity of Buffalo Road: 27 crashes, low severity index

## US 70 FATALITY CRASH COMPARISON, 2012-2014

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	12	13	0.44	0.47
US 70	Clayton to Morehead City	32	34	0.94	0.99

100MVMT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 214% 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				887	142.89	--
	Rural	No/Partial	13.33	21,300	427	137.36	85.4/67.6
	Urban	No/Partial	5.83	32,700	364	174.37	285.4/178.53
		Full	2.13	43,300	96	94.92	63.45

\* 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/2012%20Crash%20Rates.pdf>)

### CRASH SEVERITY

**Fatal Crashes:** 13 fatalities in 12 crashes

1.35% of all crashes

2.10 fatalities per 100MVMT

**Non-fatal Injuries:** 432

**Property Damage Costs:** \$4.16 million

### CRASH TYPES

The **top five crash types** are:

- 1) rear end (355 total, 40.0%)
- 2) lane departure (158 total, 17.8%)
- 3) sideswipe (125 total, 14.1%)
- 4) frontal impact (121 total, 13.6%)
- 5) animal (49 total, 5.5%)

### Potentially Hazardous Crash Areas as identified by the 2015 NC Highway Safety Improvement Program

- Intersections
  - None
- Segments
  - None

## US 70 FATALITY CRASH COMPARISON, 2012-2014

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	12	13	0.44	0.47
US 70	Clayton to Morehead City	32	34	0.94	0.99

100MVMT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 214% 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				561	132.00	--
	Rural	Full Control	4.07	16,400	53	72.46	61.48
		No/Partial	11.31	19,300	295	123.45	85.4/67.6
	Urban	No/Partial	4.16	24,800	213	188.68	285.4/178.53

\* 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/2012%20Crash%20Rates.pdf>)

### CRASH SEVERITY

**Fatal Crashes:** 5 fatalities in 4 crashes

0.71% of all crashes

1.18 fatalities per 100MVMT

**Non-fatal Injuries:** 368

**Property Damage Costs:** \$3.11 million

### CRASH TYPES

The **top five crash types** are:

- 1) rear end (168 total, 30.0%)
- 2) frontal impact (117 total, 20.9%)
- 3) lane departure (111 total, 19.8%)
- 4) animal (74 total, 13.2%)
- 5) sideswipe (55 total, 9.8%)

### Potentially Hazardous Crash Areas as identified by the 2015 NC Highway Safety Improvement Program

- Intersections
  - Hill Farm Road (Kinston): 47 crashes, moderate severity index
  - US 258 (Kinston): 104 crashes, moderate severity index, \*\*\*Possible Loop\*\*\*
  - Promised Land Road: 26 crashes, high severity index
  - US 70 Business westbound: 36 crashes, moderate severity index, \*\*\*Possible Loop\*\*\*
- Segments
  - In the vicinity of Banks School Road: 33 crashes, low severity index

## US 70 FATALITY CRASH COMPARISON, 2012-2014

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	12	13	0.44	0.47
US 70	Clayton to Morehead City	32	34	0.94	0.99

100MVMT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 214% 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				108	89.18	--
	Rural	No/Partial	3.93	10,700	55	119.36	85.4/67.6
	Rural	Full	7.97	8,600	53	70.65	61.48

\* 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/2012%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:** 20

**Property Damage Costs:** \$419,606

#### CRASH TYPES

The **top five crash types** are:

- 1) animal (49 total, 45.4%)
- 2) lane departure (42 total, 38.9%)
- T-3) sideswipe (5 total, 4.6%)
- T-3) frontal impact (5 total, 4.6%)
- 5) movable object (4 total, 3.7%)

#### Potentially Hazardous Crash Areas as identified by the 2015 NC Highway Safety Improvement Program

- Intersections
  - None
- Segments
  - None

## US 70 FATALITY CRASH COMPARISON, 2012-2014

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	12	13	0.44	0.47
US 70	Clayton to Morehead City	32	34	0.94	0.99

100MVMT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 214% 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				1,286	119.22	--
	Rural	No/Partial	13.58	31,000	502	108.88	85.4/67.6
		Full	15.04	17,000	161	57.51	61.48
	Urban	No/Partial	5.83	28,700	495	270.08	285.4/178.53
		Full	3.32	42,500	128	82.9	63.45

\* 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/2012%20Crash%20Rates.pdf>)

### CRASH SEVERITY

**Fatal Crashes:** 6 fatalities in 6 crashes

0.47% of all crashes

0.56 fatalities per 100MVMT

**Non-fatal Injuries:** 535

**Property Damage Costs:** \$5.24 million

### CRASH TYPES

The **top five crash types** are:

- 1) rear end (556 total, 43.2%)
- 2) lane departure (217 total, 16.9%)
- 3) frontal impact (210 total, 16.3%)
- 4) animal (132 total, 10.3%)
- 5) sideswipe (106 total, 8.2%)

### Potentially Hazardous Crash Areas as identified by the 2015 NC Highway Safety Improvement Program

- Intersections
  - Airport Road (James City): 43 crashes, moderate severity index
  - Garner Road (James City): 40 crashes, low severity index
- Segments
  - In the vicinity of Country Club Road/First Street (New Bern): 20 crashes, high severity index
  - In the vicinity of Carolina Pines: 17 crashes, moderate severity index
  - In the vicinity of McCotter Blvd. (Havelock): 27 crashes, low severity index

## US 70 FATALITY CRASH COMPARISON, 2012-2014

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	12	13	0.44	0.47
US 70	Clayton to Morehead City	32	34	0.94	0.99

100MVMT: 100 million vehicle miles traveled

**For the analyzed segments, the fatality crash rate for US 70 is 214% 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				811	197.60	--
	Rural	No/Partial	5.65	23,500	129	88.71	85.4/67.6
	Urban	No/Partial	9.76	24,800	682	257.34	285.4/178.53

\* 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/2012%20Crash%20Rates.pdf>)

### CRASH SEVERITY

**Fatal Crashes:** 4 fatalities in 4 crashes

0.49% of all crashes

0.98 fatalities per 100MVMT

**Non-fatal Injuries:** 397

**Property Damage Costs:** \$3.56 million

### CRASH TYPES

The **top five crash types** are:

- 1) rear end (370 total, 45.6%)
- 2) frontal impact (230 total, 28.4%)
- 3) lane departure (87 total, 10.7%)
- 4) sideswipe (70 total, 8.6%)
- 5) other (non-classified) (24 total, 3.0%)

### Potentially Hazardous Crash Areas as identified by the 2015 NC Highway Safety Improvement Program

- Intersections
  - 24<sup>th</sup> Street (Morehead City): 31 crashes, high severity index
  - 23<sup>rd</sup> Street (Morehead City): 62 crashes, moderate severity index
  - Roberts Road (Newport): 31 crashes, moderate severity index
- Bike/Pedestrian
  - Howard Blvd./Nine Foot Road (Newport): 5 crashes, high severity index