

US 70 Corridor Commission

Crash Summary for 2014 - 2016

COUNTY	SEGMENT	LENGTH (miles)	AADT (veh/day)	CRASHES	CRASH_RATE (100MVMT)
JOHNSTON	I-40 to US 70BUS*	8.97	28500	169	60.39
	US 70 BUS to Selma Bypass	7.62	24600	185	90.13
	Selma Bypass*	2.90	16000	32	63.05
	Pine Level to Goldsboro	13.53	23100	358	104.61
WAYNE	Goldsboro Bypass* ¹	19.71	6500	130	92.69
LENOIR	LaGrange Bypass*	3.34	18400	56	83.34
	Little Baltimore to Dover	19.37	19700	617	147.69
JONES	Dover To New Bern*	26.35	16400	428	90.44
CRAVEN	James City to Havelock	19.41	29600	994	157.97
CARTERET	Newport Area	7.76	25200	271	126.56
	Morehead City Area	7.65	27700	647	278.84
ENTIRE CORRIDOR		136.60	20400	3887	127.39

Notes:

* Freeway Segments

¹ Goldsboro Bypass opened in 2016

PVA, PP, and some unable to milepost crashes were excluded.

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

MORE CORRIDOR CRASH DATA

SEVERITY

Fatal Crashes: 24 fatalities in 23 crashes

0.59% of all crashes

0.7865 fatalities per 100MVMT

Non-fatal Injuries: 1,674

Property Damage Costs: \$18.36 million

TYPES

The **top five crash types** are:

- 1) rear end (1319 total, 33.93%)
- 2) lane departure (864 total, 22.23%)
- 3) frontal impact (714 total, 18.37%)
- 4) animal (391 total, 10.06%)
- 5) sideswipe (356 total, 9.16%)

US 70 FATALITY CRASH COMPARISON, 2014-2016

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMТ)	Fatality Rate (100MVMТ)
I-40	Raleigh to Wilmington	20	21	0.73	0.76
US 70	Clayton to Morehead City	23	24	0.67	0.70

100MVMТ: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 8.2% lower than I-40.

Johnston County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADT (veh/day)	Crashes	Crash Rate* (100MVMТ)	Statewide Crash Rates** (100MVMТ)
Johnston	Wake County Line to Wayne County Line				657	84.12	--
	Rural	No/Partial	16.82	23,600	443	101.95	87.01/68.59
		Full	12.51	25,300	214	61.76	68.33

* 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/2015%20Crash%20Rates.pdf>

CRASH SEVERITY

Fatal Crashes: 3 fatalities in 3 crashes

0.46% of all crashes

0.38 fatalities per 100MVMТ

Non-fatal Injuries: 243

Property Damage Costs: \$3.30 million

CRASH TYPES

The **top five crash types** are:

- 1) lane departure (241 total, 36.68%)
- 2) rear end (130 total, 19.79%)
- 3) sideswipe (75 total, 11.42%)
- 4) animal (72 total, 10.96%)
- 4) frontal impact (72 total, 10.96%)

Potentially Hazardous Crash Areas as identified by the 2017 NC Highway Safety Improvement Program

- Intersections
 - Swift Creek Road (Wilson's Mills): 40 crashes, high severity index
 - Davis Mill Road (Pine Level): 22 crashes, moderate severity index
 - Braswell Road/Country Store Road (Pine Level): 15 crashes, moderate severity index
 - Wilson's Mills Road (Wilson's Mills): 25 crashes, low severity index
 - Creech's Mill Road (Pine Level): 31 crashes, moderate severity index
- Segments
 - In the vicinity of Buffalo Road: 26 crashes, low severity index
 - In the vicinity of Sadisco Road: 32 crashes, low severity index

US 70 FATALITY CRASH COMPARISON, 2014-2016

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMТ)	Fatality Rate (100MVMТ)
I-40	Raleigh to Wilmington	20	21	0.73	0.76
US 70	Clayton to Morehead City	23	24	0.67	0.70

100MVMТ: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 8.2% lower than I-40.

Wayne County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADТ (veh/day)	Crashes	Crash Rate* (100MVMТ)	Statewide Crash Rates** (100MVMТ)
Wayne	Johnston County Line to Lenoir County Line				217	93.95	--
	Rural	No/Partial	3.69	24,200	87	88.88	87.01/68.59
		Full	18.70	6,500	130	97.68	68.33

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

Goldsboro Bypass opened in 2016.

** Source: <https://connect.ncdot.gov/resources/safety/Documents/Crash%20Data%20and%20Information/2015%20Crash%20Rates.pdf>

CRASH SEVERITY

Fatal Crashes: 2 fatalities in 2 crashes

0.92% of all crashes

0.86 fatalities per 100MVMТ

Non-fatal Injuries: 49

Property Damage Costs: \$1.07 million

CRASH TYPES

The **top five crash types** are:

- 1) lane departure (101 total, 46.54%)
- 2) rear end (39 total, 17.97%)
- 3) animal (30 total, 13.82%)
- 4) sideswipe (19 total, 8.76%)
- 5) movable object (15 total, 6.91%)

Potentially Hazardous Crash Areas as identified by the 2017 NC Highway Safety Improvement Program

- Intersections
 - None
- Segments
 - None

US 70 FATALITY CRASH COMPARISON, 2014-2016

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMVT)	Fatality Rate (100MVMVT)
I-40	Raleigh to Wilmington	20	21	0.73	0.76
US 70	Clayton to Morehead City	23	24	0.67	0.70

100MVMVT: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 8.2% lower than I-40.

Lenoir County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADT (veh/day)	Crashes	Crash Rate* (100MVMVT)	Statewide Crash Rates** (100MVMVT)
Lenoir	Wayne County Line to Jones County Line				604	137.09	--
	Rural	Full Control	4.34	15,800	56	74.55	68.33
		No/Partial	11.31	20,400	310	122.74	87.01/68.59
	Urban	No/Partial	4.16	24,800	238	210.83	305.77/185.84

* 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/2015%20Crash%20Rates.pdf>

CRASH SEVERITY

Fatal Crashes: 5 fatalities in 4 crashes

0.66% of all crashes

1.14 fatalities per 100MVMVT

Non-fatal Injuries: 332

Property Damage Costs: \$3.28 million

CRASH TYPES

The **top five crash types** are:

- 1) rear end (187 total, 30.96%)
- 2) lane departure (148 total, 24.50%)
- 3) frontal impact (114 total, 18.87%)
- 4) animal (66 total, 10.93%)
- 5) sideswipe (59 total, 9.77%)

Potentially Hazardous Crash Areas as identified by the 2017 NC Highway Safety Improvement Program

- Intersections
 - Hill Farm Road (Kinston): 56 crashes, moderate severity index
 - Eason Road/Kennedy Home Road: 23 crashes, moderate severity index
 - NC 58: 28 crashes, moderate severity index, ***Possible Loop***
- Segments
 - In the vicinity of Banks School Road: 30 crashes, low severity index

US 70 FATALITY CRASH COMPARISON, 2014-2016

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMТ)	Fatality Rate (100MVMТ)
I-40	Raleigh to Wilmington	20	21	0.73	0.76
US 70	Clayton to Morehead City	23	24	0.67	0.70

100MVMТ: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 8.2% lower than I-40.

Jones County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADТ (veh/day)	Crashes	Crash Rate* (100MVMТ)	Statewide Crash Rates** (100MVMТ)
Jones	Lenoir County Line to Craven County Line				130	113.13	--
	Rural	No/Partial	3.93	12,100	69	132.41	87.01/68.59
	Rural	Full	7.97	7,200	61	97.13	68.33

* 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/2015%20Crash%20Rates.pdf>

CRASH SEVERITY

Fatal Crashes: 1 fatalities in 1 crashes

0.77% of all crashes

0.87 fatalities per 100MVMТ

Non-fatal Injuries: 35

Property Damage Costs: \$482,331

CRASH TYPES

The **top five crash types** are:

- 1) animal (54 total, 41.54%)
- 2) lane departure (41 total, 31.54%)
- 3) frontal impact (12 total, 9.23%)
- 4) rear end (8 total, 6.15%)
- 5) movable object (7 total, 5.38%)

Potentially Hazardous Crash Areas as identified by the 2017 NC Highway Safety Improvement Program

- Intersections
 - Wyse Fork Road: 17 crashes, moderate severity index
- Segments
 - None

US 70 FATALITY CRASH COMPARISON, 2014-2016

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMT)	Fatality Rate (100MVMT)
I-40	Raleigh to Wilmington	20	21	0.73	0.76
US 70	Clayton to Morehead City	23	24	0.67	0.70

100MVMT: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 8.2% lower 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				1,361	131.10	--
	Rural	No/Partial	13.58	30,400	575	127.18	87.01/68.59
		Full	15.04	16,100	230	86.75	68.33
	Urban	No/Partial	5.83	27,600	419	237.72	305.77/185.84
		Full	3.32	39,800	137	94.74	83.08

* 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/2015%20Crash%20Rates.pdf>

CRASH SEVERITY

Fatal Crashes: 10 fatalities in 10 crashes

0.73% of all crashes

0.96 fatalities per 100MVMT

Non-fatal Injuries: 614

Property Damage Costs: \$6.00 million

CRASH TYPES

The **top five crash types** are:

- 1) rear end (568 total, 41.73%)
- 2) lane departure (228 total, 16.75%)
- 3) frontal impact (227 total, 16.68%)
- 4) animal (148 total, 10.87%)
- 5) sideswipe (118 total, 8.67%)

Potentially Hazardous Crash Areas as identified by the 2017 NC Highway Safety Improvement Program

- Intersections
 - Airport Road (James City): 55 crashes, moderate severity index
 - Garner Road (James City): 37 crashes, low severity index
 - Taberna Road (James City): 31 crashes, low severity index
 - Camp Kiro Road: 13 crashes, moderate severity index
 - Carolina Pines Road: 22 crashes, moderate severity index
 - Hickman Hill Road: 24 crashes, low severity index
 - Catawba Road/Greenfield Heights Road (Havelock): 44 crashes, moderate severity index
- Segments
 - None

US 70 FATALITY CRASH COMPARISON, 2014-2016

Route	Segment	Fatality Crashes	Fatalities	Fatal Crash Rate (100MVMТ)	Fatality Rate (100MVMТ)
I-40	Raleigh to Wilmington	20	21	0.73	0.76
US 70	Clayton to Morehead City	23	24	0.67	0.70

100MVMТ: 100 million vehicle miles traveled

For the analyzed segments, the fatality crash rate for US 70 is 8.2% lower than I-40.

Carteret County US 70 Crash Data & Statistics							
County	Setting	Access	Length (miles)	AADT (veh/day)	Crashes	Crash Rate* (100MVMТ)	Statewide Crash Rates** (100MVMТ)
Carteret	Craven County Line to Morehead City Port				918	205.76	--
	Rural	No/Partial	5.65	25,300	162	103.48	87.01/68.59
	Urban	No/Partial	9.76	27,100	756	261.06	305.77/185.84

* 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/2015%20Crash%20Rates.pdf>

CRASH SEVERITY

Fatal Crashes: 3 fatalities in 3 crashes

0.33% of all crashes

0.67 fatalities per 100MVMТ

Non-fatal Injuries: 401

Property Damage Costs: \$4.22 million

CRASH TYPES

The **top five crash types** are:

- 1) rear end (387 total, 42.16%)
- 2) frontal impact (282 total, 30.72%)
- 3) lane departure (105 total, 11.44%)
- 4) sideswipe (81 total, 8.82%)
- 5) animal (21 total, 2.29%)

Potentially Hazardous Crash Areas as identified by the 2017 NC Highway Safety Improvement Program

- Intersections
 - Roberts Road (Newport): 44 crashes, high severity index
 - Masontown Road (Newport): 13 crashes, high severity index
 - Old Airport Road (Morehead City): 17 crashes, low severity index
 - 24th Street (Morehead City): 41 crashes, high severity index
 - 23rd Street (Morehead City): 76 crashes, low severity index
 - 20th Street (Morehead City): 24 crashes, moderate severity index
- Segments
 - None