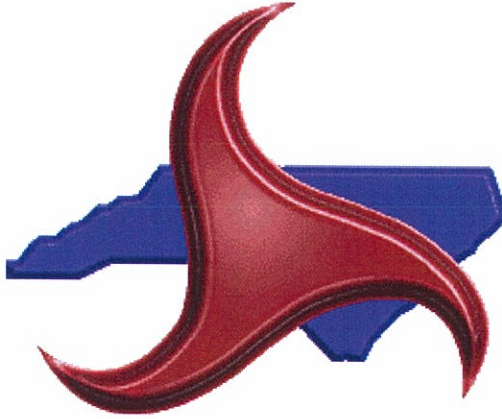


Bridge Approach Speed Investigation

Bridge # 670023 over South Fork Little River on SR 1508
Orange County
WBS Element # 17BP.7.PE.1

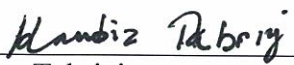


Document Prepared By:

HNTB North Carolina, P.C.
343 E. Six Forks Rd
Raleigh NC, 27609
NC License No: C-1554

September 13, 2013

Principal Investigator



Kam Tabrizi
Principal Investigator

Project Manager

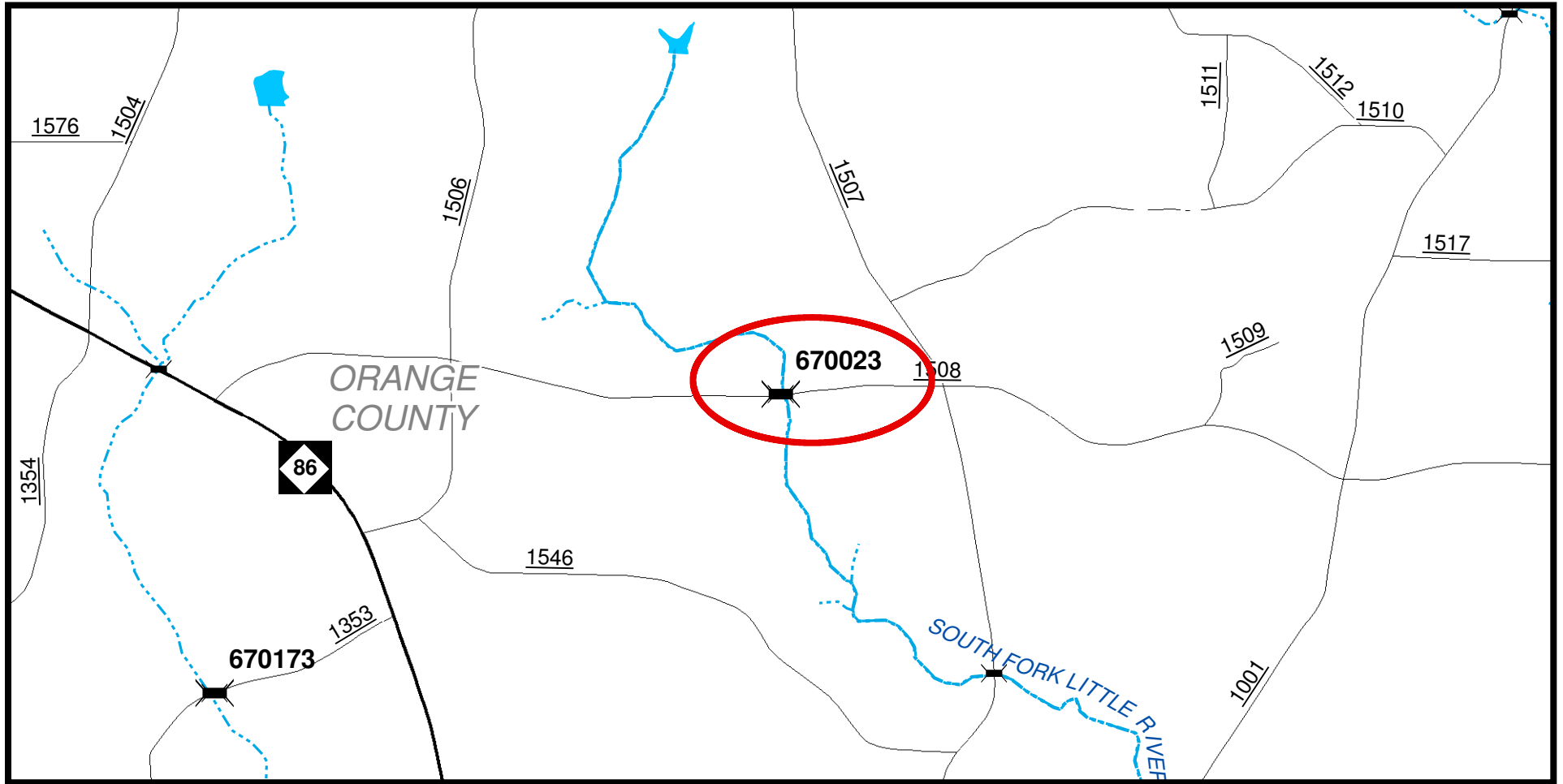


Andrew Klinksiek, PE
Project Manager



Division 7 - Orange County Design Build Year 3/4 Bridge Program

Bridge Locations plotted based on coordinates provided by Bridge Management



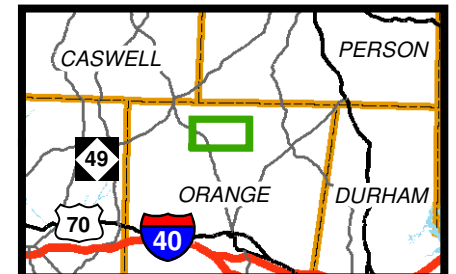
Structure Number	Division	County	Structure Description	Latitude	Longitude
670023	7	ORANGE	Bridge #0023 over SOUTH FORK LITTLE RIVER on SR1508	36.204625	-79.11975



HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554



1 in = 2,500 ft
SCALE



Bridge and Approach Investigation Checklist

Project 17BP.7.PE.1

Description Bridge # 23 over South Fork Little River on SR 1508

Route SR 1508 (Hawkins Rd)

Division 7

County Orange

Existing Speed Limit 55 ☐ Posted ☒ Statutory

Reasonable & Comfortable
Passenger Car Speed 55 mph

Speed Data No speed data points collected due to sparseness of traffic.

Ball Bank Speed Study Slight curve on east side of bridge ball banks 1 degrees at 55 mph

Warning Signs at Bridge Object Markers (OM-3L & OM-3R) - one located at each bridge corner
Weight Limit Signs (Single Vehicle 17 tons, TTST 24 tons) - 1x each Appr.
Narrow Bridge Signs (W5-2A) - 1x each Appr.

Roadside Development Rural Residential/Wooded

ADT History 220 vpd from 2012 NCDOT Traffic Survey Map
300 vpd from Crash Analysis Report (Attached)

Pedestrian/Bicycle Traffic Minimal expected

Bridge and Approach
Digital Photos See attached photos.

Approach Lane Width 18' overall pavement width with 9' lanes.

Approach Shoulder Width: Varies from 7' - 9'
Shoulder Type Grass

Lane Width (existing bridge) 20' overall pavement width with 9' lanes.

Shoulder width (existing bridge) 1' / 1'

Strategic Corridor / Thoroughfare
Designation and Recommended
Cross Section SR 1508 is classified as a local roadway, therefore it is recommended
that the minimum cross section follow the NCDOT "R-R-R Guide" with a
minimum of 10 foot lane widths and 3 foot shoulder widths (6 foot
graded shoulder width where guardrail is to be installed).

Crash History and
Safety Considerations Six crashes have been reported in the vicinity of the bridge from
05/1/2003 to 04/30/2013 (10 years). These crashes involved a vehicle
and/or a Motorcycle hitting the Bridge rail, tree, or an animal.

Comments None.

Reasonable Bridge Speed 55 mph

Investigated by: Kam Tabrizi 07/11/2013 Reviewed by: Andrew Klinksiek, PE

County: Orange

Description: Bridge # 23 over South Fork Little River

Route: SR 1508

SR 1508 (Hawkins Rd) Eastbound $\pm$ 50' from Bridge #23



SR 1508 (Hawkins Rd) Eastbound $\pm$ 150' from Bridge #23



SR 1508 (Hawkins Rd) Eastbound $\pm$ 200' from Bridge #23



County: Orange

Description: Bridge # 23 over South Fork Little River

Route: SR 1508

SR 1508 (Hawkins Rd) Eastbound $\pm$ 250' from Bridge #23



SR 1508 (Hawkins Rd) Westbound $\pm$ 50' from Bridge #23



SR 1508 (Hawkins Rd) Westbound $\pm$ 100' from Bridge #23



SR 1508 (Hawkins Rd) Westbound $\pm$ 150' from Bridge #23



County: Orange

Description: Bridge # 23 over South Fork Little River

Route: SR 1508

SR 1508 (Hawkins Rd) Westbound $\pm$ 200' from Bridge #23

SR 1508 (Hawkins Rd) Westbound $\pm$ 250' from Bridge #23



Westbound view of Bridge #23 looking south



Eastbound view of Bridge #23 looking north



**North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report**

Study Criteria Summary

County: ORANGE **City:** All and Rural
Date: 5/1/2003 **to** 4/30/2013 **Study:** ORANGEBRIDGE670023
Location: 500 feet on either side of bridge 670023 on SR 1508 (Hawkins Road)

Report Details

Acc No	Crash ID	Milepost	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl	
						F	A	B	C	R	L	W	Ch	Ci	Dv	Op
1	102349382	5.125	06/18/2008 20:11	ANIMAL	\$ 5000	0	1	0	0	1	1	1	3	0	0	
Unit 1 : 20 Alchl/Drugs: 0 Speed: 45 MPH Dir: W Veh Mnvr/Ped Actn: 4 Obj Strk: 17																
2	103500234	5.125	07/19/2012 01:25	FIXED OBJECT	\$ 3000	0	0	0	1	1	5	1	3	0	0	
Unit 1 : 5 Alchl/Drugs: 0 Speed: 30 MPH Dir: W Veh Mnvr/Ped Actn: 4 Obj Strk: 33																
3	102208464	5.222	12/04/2007 12:42	FIXED OBJECT	\$ 5000	0	0	0	1	1	1	2	7	0	13	1
Unit 1 : 5 Alchl/Drugs: 0 Speed: 45 MPH Dir: E Veh Mnvr/Ped Actn: 15 Obj Strk: 50																
4	102868240	5.222	05/18/2010 21:27	FIXED OBJECT	\$ 4600	0	0	1	0	1	5	1	1	0	13	1
Unit 1 : 5 Alchl/Drugs: 1 Speed: 45 MPH Dir: W Veh Mnvr/Ped Actn: 4 Obj Strk: 50																
5	103043792	5.225	12/16/2010 09:32	FIXED OBJECT	\$ 5100	0	0	0	1	6	1	2	3	0	13	1
Unit 1 : 1 Alchl/Drugs: 0 Speed: 40 MPH Dir: E Veh Mnvr/Ped Actn: 4 Obj Strk: 49																
6	103255331	5.225	09/19/2011 13:38	FIXED OBJECT	\$ 1600	0	0	0	1	1	1	1	1	0	0	
Unit 1 : 1 Alchl/Drugs: 0 Speed: 55 MPH Dir: W Veh Mnvr/Ped Actn: 4 Obj Strk: 33																

Legend for Report Details:

- Acc No - Accident Number
- Injuries: F - Fatal, A - Class A, B - Class B, C - Class C
- Condition: R - Road Surface, L - Ambient Light, W - Weather
- Rd Ch - Road Character
- Rd Ci - Roadway Contributing Circumstances
- Trfc Ctl - Traffic Control: Dv - Device, Op - Operating
- Alchl/Drugs - Alcohol Drugs Suspected
- Veh Mnvr/Ped Actn - Vehicle Maneuver/Pedestrian Action
- Obj Strk - Object Struck

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Summary Statistics

High Level Crash Summary

Crash Type	Number of Crashes	Percent of Total
Total Crashes	6	100.00
Fatal Crashes	0	0.00
Non-Fatal Injury Crashes	6	100.00
Total Injury Crashes	6	100.00
Property Damage Only Crashes	0	0.00
Night Crashes	2	33.33
Wet Crashes	0	0.00
Alcohol/Drugs Involvement Crashes	1	16.67

Crash Severity Summary

Crash Type	Number of Crashes	Percent of Total
Total Crashes	6	100.00
Fatal Crashes	0	0.00
Class A Crashes	1	16.67
Class B Crashes	1	16.67
Class C Crashes	4	66.67
Property Damage Only Crashes	0	0.00

Vehicle Exposure Statistics

Annual ADT = 300

Total Length = 0.197 (Miles) 0.317 (Kilometers)

Total Vehicle Exposure = 0.22 (MVMT) 0.35 (MVKMT)

Crash Rate	Crashes Per 100 Million Vehicle Miles	Crashes Per 100 Million Vehicle Kilometers
Total Crash Rate	2779.16	1726.89
Fatal Crash Rate	0.00	0.00
Non Fatal Crash Rate	2779.16	1726.89
Night Crash Rate	926.39	575.63
Wet Crash Rate	0.00	0.00
EPDO Rate	55027.43	34192.46

**North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report**

Miscellaneous Statistics

Severity Index =	19.80
EPDO Crash Index =	118.80
Estimated Property Damage Total = \$	24300.00

Accident Type Summary

Accident Type	Number of Crashes	Percent of Total
ANIMAL	1	16.67
FIXED OBJECT	5	83.33

Injury Summary

Injury Type	Number of Injuries	Percent of Total
Fatal Injuries	0	0.00
Class A Injuries	1	16.67
Class B Injuries	1	16.67
Class C Injuries	4	66.67
Total Non-Fatal Injuries	6	100.00
Total Injuries	6	100.00

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Monthly Summary

Month	Number of Crashes	Percent of Total
Jan	0	0.00
Feb	0	0.00
Mar	0	0.00
Apr	0	0.00
May	1	16.67
Jun	1	16.67
Jul	1	16.67
Aug	0	0.00
Sep	1	16.67
Oct	0	0.00
Nov	0	0.00
Dec	2	33.33

Daily Summary

Day	Number of Crashes	Percent of Total
Mon	1	16.67
Tue	2	33.33
Wed	1	16.67
Thu	2	33.33
Fri	0	0.00
Sat	0	0.00
Sun	0	0.00

**North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report**

Hourly Summary

Hour	Number of Crashes	Percent of Total
0000-0059	0	0.00
0100-0159	1	16.67
0200-0259	0	0.00
0300-0359	0	0.00
0400-0459	0	0.00
0500-0559	0	0.00
0600-0659	0	0.00
0700-0759	0	0.00
0800-0859	0	0.00
0900-0959	1	16.67
1000-1059	0	0.00
1100-1159	0	0.00
1200-1259	1	16.67
1300-1359	1	16.67
1400-1459	0	0.00
1500-1559	0	0.00
1600-1659	0	0.00
1700-1759	0	0.00
1800-1859	0	0.00
1900-1959	0	0.00
2000-2059	1	16.67
2100-2159	1	16.67
2200-2259	0	0.00
2300-2359	0	0.00

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Light and Road Conditions Summary

Condition	Dry	Wet	Other	Total
Day	3	0	1	4
Dark	2	0	0	2
Other	0	0	0	0
Total	5	0	1	6

Object Struck Summary

Object Type	Times Struck	Percent of Total
ANIMAL	1	16.67
BRIDGE RAIL END	1	16.67
BRIDGE RAIL FACE	2	33.33
TREE	2	33.33

Vehicle Type Summary

Vehicle Type	Number Involved	Percent of Total
MOTORCYCLE	1	16.67
PASSENGER CAR	2	33.33
VAN	3	50.00

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Yearly Totals Summary

Accident Totals

Year	Total Accidents	Fatal Accidents	Injury Accidents	Property Damage Only Accidents
2003	0	0	0	0
2004	0	0	0	0
2005	0	0	0	0
2006	0	0	0	0
2007	1	0	1	0
2008	1	0	1	0
2009	0	0	0	0
2010	2	0	2	0
2011	1	0	1	0
2012	1	0	1	0
2013	0	0	0	0
Total	6	0	6	0

Injury Totals

Year	Fatal Injuries	Class A, B, or C Injuries
2003	0	0
2004	0	0
2005	0	0
2006	0	0
2007	0	1
2008	0	1
2009	0	0
2010	0	2
2011	0	1
2012	0	1
2013	0	0
Total	0	6

Miscellaneous Totals

Year	Property Damage	EPDO Index
2003	\$ 0	0.00
2004	\$ 0	0.00

**North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report**

Year	Property Damage	EPDO Index
2005	\$ 0	0.00
2006	\$ 0	0.00
2007	\$ 5000	8.40
2008	\$ 5000	76.80
2009	\$ 0	0.00
2010	\$ 9700	16.80
2011	\$ 1600	8.40
2012	\$ 3000	8.40
2013	\$ 0	0.00
Total	\$ 24300	118.80

Type of Accident Totals

Year	Left Turn	Right Turn	Rear End	Run Off Road & Fixed Object	Angle	Side Swipe	Other
2003	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0
2007	0	0	0	1	0	0	0
2008	0	0	0	0	0	0	1
2009	0	0	0	0	0	0	0
2010	0	0	0	2	0	0	0
2011	0	0	0	1	0	0	0
2012	0	0	0	1	0	0	0
2013	0	0	0	0	0	0	0
Total	0	0	0	5	0	0	1

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Strip Diagram

Features	Milepost	Crash IDs
Structure:670023	5.12	102349382 103500234
	5.13	
	5.14	
	5.15	
	5.16	
	5.17	
	5.18	
	5.19	
	5.20	
	5.21	
	5.22	102208464 102868240 103043792 103255331
	5.23	
	5.24	
	5.25	
	5.26	
	5.27	
	5.28	
	5.29	
	5.30	
	5.31	
	5.32	

**North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report**

Study Criteria

Study Name	Log No.	PH No.	TIP No.	K/A Cf.	B/C Cf.	ADT	ADT Route
ORANGEBRIDGE670023				76.8	8.4	300	40001508

Request Date	Courier Service	Phone No.	Ext.	Fax No.
--------------	-----------------	-----------	------	---------

County			Municipality					
Name	Code	Div.	Name	Code	Y-Line Ft.	Begin Date	End Date	Years
ORANGE	67	7	All and Rural		0	5/1/2003	4/30/2013	10.00

Location Text	Requestor
500 feet on either side of bridge 670023 on SR 1508 (Hawkins Road)	Consultant Bridge Replacement Crash Analysis Requests

Included Accidents	Old MP	New MP	Type
102868240	5.195	5.222	R
102208464	3.595	5.222	I
103043792	5.725	5.225	I

Fiche Roads

Name	Code
SR 1508	40001508
HAWKINS	50013432

Strip Road

Name	Code	Begin MP	End MP	Miles	Kilometers
SR 1508	40001508	5.124	5.321	0.197	0.317

**North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Fiche, Intersection, and Strip Reports Code Index**

T - Type of Accident Codes

0 = UNKNOWN
1 = RAN OFF ROAD - RIGHT
2 = RAN OFF ROAD - LEFT
3 = RAN OFF ROAD - STRAIGHT
4 = JACKKNIFE
5 = OVERTURN/ROLLOVER
13 = OTHER NON-COLLISION
14 = PEDESTRIAN
15 = PEDALCYCLIST
16 = RR TRAIN, ENGINE
17 = ANIMAL
18 = MOVABLE OBJECT
19 = FIXED OBJECT
20 = PARKED MOTOR VEHICLE
21 = REAR END, SLOW OR STOP
22 = REAR END, TURN
23 = LEFT TURN, SAME ROADWAY
24 = LEFT TURN, DIFFERENT ROADWAYS
25 = RIGHT TURN, SAME ROADWAY
26 = RIGHT TURN, DIFFERENT ROADWAYS
27 = HEAD ON
28 = SIDESWIPE, SAME DIRECTION
29 = SIDESWIPE, OPPOSITE DIRECTION
30 = ANGLE
31 = BACKING UP
32 = OTHER COLLISION WITH VEHICLE

F - Road Feature Codes

0 = NO SPECIAL FEATURE
1 = BRIDGE
2 = BRIDGE APPROACH
3 = UNDERPASS
4 = DRIVEWAY, PUBLIC
5 = DRIVEWAY, PRIVATE
6 = ALLEY INTERSECTION
7 = FOUR-WAY INTERSECTION
8 = T-INTERSECTION
9 = Y-INTERSECTION
10 = TRAFFIC CIRCLE/ROUNDBOUT
11 = FIVE-POINT, OR MORE
12 = RELATED TO INTERSECTION
13 = NON-INTERSECTION MEDIAN CROSSING
14 = END OR BEGINNING - DIVIDED HIGHWAY
15 = OFF RAMP ENTRY
16 = OFF RAMP PROPER
17 = OFF RAMP TERMINAL ON CROSSROAD
18 = MERGE LANE BETWEEN ON AND OFF RAMP
19 = ON RAMP ENTRY
20 = ON RAMP PROPER
21 = ON RAMP TERMINAL ON CROSSROAD
22 = RAILROAD CROSSING
23 = TUNNEL
24 = SHARED-USE PATHS OR TRAILS
25 = OTHER

R - Road Condition Codes

1 = DRY
2 = WET
3 = WATER (STANDING, MOVING)
4 = ICE
5 = SNOW
6 = SLUSH
7 = SAND, MUD, DIRT, GRAVEL
8 = FUEL, OIL
9 = OTHER
10 = UNKNOWN

L - Light Condition Codes

1 = DAYLIGHT
2 = DUSK
3 = DAWN
4 = DARK - LIGHTED ROADWAY
5 = DARK - ROADWAY NOT LIGHTED
6 = DARK - UNKNOWN LIGHTING
7 = OTHER
8 = UNKNOWN

W - Weather Condition Codes

1 = CLEAR
2 = CLOUDY
3 = RAIN
4 = SNOW
5 = FOG, SMOG, SMOKE
6 = SLEET, HAIL, FREEZING RAIN/DRIZZLE
7 = SEVERE CROSSWINDS
8 = BLOWING SAND, DIRT, SNOW
9 = OTHER

S - Accident Severity Codes

K = FATAL
A = A-LEVEL INJURY
B = B-LEVEL INJURY
C = C-LEVEL INJURY
O = PROPERTY DAMAGE ONLY

Ch - Road Character

1 = STRAIGHT, LEVEL
2 = STRAIGHT, HILLCREST
3 = STRAIGHT, GRADE
4 = STRAIGHT, BOTTOM (SAG)
5 = CURVE, LEVEL
6 = CURVE, HILLCREST
7 = CURVE, GRADE
8 = CURVE, BOTTOM (SAG)
9 = OTHER

Op - Traffic Control Operating

1 = YES
2 = NO
3 = UNKNOWN

**North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Fiche, Intersection, and Strip Reports Code Index**

Veh Mnvr - Vehicle Maneuver Codes

1 = STOPPED IN TRAVEL LANE
2 = PARKED OUT OF TRAVEL LANES
3 = PARKED IN TRAVEL LANES
4 = GOING STRAIGHT AHEAD
5 = CHANGING LANES OR MERGING
6 = PASSING
7 = MAKING RIGHT TURN
8 = MAKING LEFT TURN
9 = MAKING U-TURN
10 = BACKING
11 = SLOWING OR STOPPING
12 = STARTING IN ROADWAY
13 = PARKING
14 = LEAVING PARKED POSITION
15 = AVOIDING OBJECT IN ROAD

Dv - Traffic Control Device

0 = NO CONTROL PRESENT
1 = STOP SIGN
2 = YIELD SIGN
3 = STOP AND GO SIGNAL
4 = FLASHING SIGNAL WITH STOP SIGN
5 = FLASHING SIGNAL WITHOUT STOP SIGN
6 = RR GATE AND FLASHER
7 = RR FLASHER
8 = RR CROSSBUCKS ONLY
9 = HUMAN CONTROL
10 = WARNING SIGN
11 = SCHOOL ZONE SIGNS
12 = FLASHING STOP AND GO SIGNAL
13 = DOUBLE YELLOW LINE, NO PASSING ZONE
14 = OTHER

Alchl/Drugs - Driver Alcohol/Drugs Suspected Status Codes

0 = NO
1 = YES - ALCOHOL, IMPAIRMENT SUSPECTED
2 = YES - ALCOHOL, NO IMPAIRMENT DETECTED
3 = YES - OTHER DRUGS, IMPAIRMENT SUSPECTED
4 = YES - OTHER DRUGS, NO IMPAIRMENT DETECTED
5 = YES - ALCOHOL AND OTHER DRUGS, IMPAIRMENT SUSPECTED
6 = YES - ALCOHOL AND OTHER DRUGS, NO IMPAIRMENT DETECTED
7 = UNKNOWN

Ped Actn - Pedestrian Action Codes

1 = ENTERING OR CROSSING SPECIFIED LOCATION
2 = WALKING, RIDING, RUNNING/JOGGING WITH TRAFFIC
3 = WALKING, RIDING, RUNNING/JOGGING AGAINST TRAFFIC
4 = WORKING
5 = PUSHING VEHICLE
6 = APPROACHING OR LEAVING VEHICLE
7 = PLAYING
8 = STANDING
9 = OTHER

Ci - Roadway Contributing Circumstances

0 = NONE (NO UNUSUAL CONDITIONS)
1 = ROAD SURFACE CONDITION
2 = DEBRIS
3 = RUT, HOLES, BUMPS
4 = WORK ZONE (CONSTRUCTION, MAINTENANCE, UTILITY)
5 = WORN TRAVEL-POLISHED SURFACE
6 = OBSTRUCTION IN ROADWAY
7 = TRAFFIC CONTROL DEVICE INOPERATIVE, NOT VISIBLE OR MISSING
8 = SHOULDERS LOW, SOFT OR HIGH
9 = NO SHOULDERS
10 = NON-HIGHWAY WORK
11 = OTHER
12 = UNKNOWN

**North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Fiche, Intersection, and Strip Reports Code Index**

Obj Strk - Object Struck Codes

14 = PEDESTRIAN
15 = PEDALCYCLIST
17 = ANIMAL
18 = MOVABLE OBJECT
20 = PARKED MOTOR VEHICLE
33 = TREE
34 = UTILITY POLE
35 = LUMINAIRE POLE NON-BREAKAWAY
36 = LUMINAIRE POLE BREAKAWAY
37 = OFFICIAL HIGHWAY SIGN NON-BREAKAWAY
38 = OFFICIAL HIGHWAY SIGN BREAKAWAY
39 = OVERHEAD SIGN SUPPORT
40 = COMMERCIAL SIGN
41 = GUARDRAIL END ON SHOULDER
42 = GUARDRAIL FACE ON SHOULDER
43 = GUARDRAIL END IN MEDIAN
44 = GUARDRAIL FACE IN MEDIAN
45 = SHOULDER BARRIER END
46 = SHOULDER BARRIER FACE
47 = MEDIAN BARRIER END
48 = MEDIAN BARRIER FACE
49 = BRIDGE RAIL END
50 = BRIDGE RAIL FACE
51 = OVERHEAD PART UNDERPASS
52 = PIER ON SHOULDER OF UNDERPASS
53 = PIER IN MEDIAN OF UNDERPASS
54 = ABUTMENT OF UNDERPASS
55 = TRAFFIC ISLAND CURB OR MEDIAN
56 = CATCH BASIN OR CULVERT ON SHOULDER
57 = CATCH BASIN OR CULVERT ON MEDIAN
58 = DITCH
59 = EMBANKMENT
60 = MAILBOX
61 = FENCE OR FENCE POST
62 = CONTRUCTION BARRIER
63 = CRASH CUSHION
64 = OTHER FIXED OBJECT

Unit # - Vehicle Style Codes

1 = PASSENGER CAR
2 = PICKUP
3 = LIGHT TRUCK (MINI-VAN, PANEL)
4 = SPORT UTILITY
5 = VAN
6 = COMMERCIAL BUS
7 = SCHOOL BUS
8 = ACTIVITY BUS
9 = OTHER BUS
10 = SINGLE UNIT TRUCK (2-AXLE, 6-TIRE)
11 = SINGLE UNIT TRUCK (3 OR MORE AXLES)
12 = TRUCK/TRAILER
13 = TRUCK/TRACTOR
14 = TRACTOR/SEMI-TRAILER
15 = TRACTOR/DOULBES
16 = UNKNOWN HEAVY TRUCK
17 = TAXICAB
18 = FARM EQUIPMENT
19 = FARM TRACTOR
20 = MOTORCYCLE
21 = MOPED
22 = MOTOR SCOOTER OR MOTOR BIKE
23 = PEDALCYCLE
24 = PEDESTRIAN
25 = MOTOR HOME/RECREATIONAL VEHICLE
26 = OTHER
27 = ALL TERRAIN VEHICLE (ATV)
28 = FIRETRUCK
29 = EMS VEHICLE, AMBULANCE, RESCUE SQUAD
30 = MILITARY
31 = POLICE
32 = UNKNOWN